# Area of Focus Discussion Template
# EDUCATION AND INDUSTRY PARTNERSHIPS

**Education and Industry Partnerships** – review relationships with four-year institutions including preparation for transfer and changes in major requirements assess employment as well as review employment and the needs of employers and regional partners. Sample activities include the following:

> **Possible topics**:
> - Review CTE labor market information and trends.

1. What data were analyzed and what were the main conclusions?

Lightcast data was analyzed to determine the need for internships and exposure to students during Career Exploration for the Electrical and Electronic Engineering Technologists and Technicians. Also, current enrollment data shows the Electronics Technology program has 36 students between the EL 118/119, and EL 122/123 courses. The job posting for SLO and SB Counties is high at 14 postings per month, while the national average is 11 postings per month. 330 jobs existed in our area for 2023. In previous years, Range Generation Next (RGNext) had a cohort of students in the Electronics Technology program which generated many graduates prior to the Covid pandemic. Internships and exposure to this subject area is needed to meet the growing demand compounded with the 55-64 age group set to retire, which make up 28.2% of the occupation in SLO and SB Counties.

2. Based on the data analysis and looking through a lens of equity, what do you perceive as *challenges* with student success or access in your area of focus?

Many students do not have a network of professionals to access the career opportunities available at many of are larger electronic technology employer, many who are located on the Vandenberg Space Force Base. Without special access to the Base, many students are bypassing a high paying career ($75,356 in 2023). Without a proper overview of what these career entail, there will consistently be a short-fall of workers if proper internships are not created. Quintron was one employer that offered internships for a Test Technician.

3. What are your plans for change or *innovation*?

We hope to acquire 4 headsets to from Transfr Virtual Reality to assist students in understanding how lucrative this field is by next fall including networking and electronics technology career opportunities. In addition, at the Guided Pathways Welcome Event on August 30, 2024, the Career Counselor David Hernandez along with the Electronics Technology Instructor, Justin Rucker will discuss the Career Technical Education programs available in the Sciences and Technology Area of Interest with particular emphasis on electronic technology career opportunities.

4. How will you *measure* the results of your plans to determine if they are successful? By meeting the shortfall of qualified electronic technicians to meet the demand of the employers by at least 50% including RGNext, Aerotek, Bruker, Entegris, Empirical Systems Aerospace, and Quintron. 28 positions were test technicians or electronics technicians.

**Validation for Program Planning Process: If you have chosen to do the Validation this year, please explain your process and the findings.**

1. Who have you identified to validate your findings? (Could include Guided Pathway Success Teams, Advisory Committee Members, related faculty, industry partners or higher education partners)
2. Are there specific recommendations regarding the core topic responses from the validation team?

Based on the narratives for the prompts above, what are some program planning initiatives and resources needed for the upcoming years?  Use the tables below to fill in **NEW** resources and planning initiatives. ***This section is only used if there are new planning initiatives and resources requested that pertain to the Core Topic only.***

**Sample:**

| New Program Planning Initiative (Objective) – Core Topic Only | |
|---|---|
| **Title (including number:** | *ER Obj-2 Video Speeches for Student Learning and enhancement* |
| **Planning years:** | *(The academic years this will take to complete)* 2021-22 to 2024-25 |

| **Description:** |
|---|
| *(A more detailed version of initiative. Please include a description of the initiative, why it is needed, who will be responsible, and actions that need to happen, so it is completed.)* <br> The success levels of our courses have indicated that students need to be able to review their own speeches. Videotaping the student's speech provides a very constructive approach to review and improve their oratory skills. |

| **What college plans are associated with this Objective? (Please select from the list below):** |
|---|
| ☐ Ed Master Plan  ☐ Student Equity Plan  ☐ Guided Pathways  ☐ AB 705 <br><br> ☐ Technology Plan  ☒ Facilities Plan  ☐ Strong Workforce  ☐ Equal Employment Opp. <br><br> ☐ Title V |

**Resource Requests: Please use the Resource Request Excel template located on the Program Review web page to enter resource requests for equipment, supplies, staffing, facilities, and**

misc. resources needed. Send completed excel document along with completed program view core topic for signature.



| | Dept | Program | Source | Year | Initiative (Objective) Reference | Resource Need | Requested Item(s) Please include per item |
|---|---|---|---|---|---|---|---|
| 12 | English | English Rhetoric | Yearly Planning and Core | 2022-2023 | ER OBJ.- 2 | Equipment | Video cameras $600 each |

*Enter equipment requests below. Equipment is defined as having useful life of more than one year* **AND** *a purchase price of more than $200 each including tax. This includes all items that are part of the initial purchase.*

**EQUIPMENT NEEDS**

Sheet tabs: EQUIPMENT | SUPPLIES | STAFFING | TECHNOLOGY | FACILITIES

| New Program Planning Initiative (Objective) – Core Topic Only | |
|---|---|
| **Title (including number:** | *4 VR Oculus Headsets to expose incoming students to Electronics field* |
| **Planning years:** | *(The academic years this will take to complete)* 2024-25 to 2027-28 |

**Description:**
*(A more detailed version of initiative. Please include a description of the initiative, why it is needed, who will be responsible, and actions that need to happen, so it is completed.)*
*The success of programs that have been historically underrepresented in outreach events to local high schools can benefit from Virtual Reality exposure. In addition, stronger internship relationships with electronics employers after students find out how rewarding this career field can be. Resource has been funded through Strong Workforce.*

**What college plans are associated with this Objective? (Please select from the list below):**

[ ] Ed Master Plan    [ ] Student Equity Plan    [X] Guided Pathways    [ ] AB 705/1705

[ ] Technology Plan    [ ] Facilities Plan    [X] Strong Workforce    [ ] Equal Employment Opp.

[ ] Title V

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☐ Technology Plan   ☐ Facilities Plan   ☐ Strong Workforce   ☐ Equal Employment Opp.

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<br>

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☐ Title V

Program Review Signature Page:

David Hernandez                              5/29/2024

_____          _____
Program Review Lead                           Date


_____          _____
Program Dean                                  Date


_____          _____
Vice President, Academic Affairs              Date