

#12

**COMPLETE**

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Page 1: Classified Position Request Form

**Q1**

Please enter the following:

Department	<b>Engineering</b>
Position Title	<b>Science lab technician IV-Engineering</b>
Salary Range*	<b>\$58,980-\$73,764</b>
Annual Salary at Step B*	<b>\$62,376</b>
Hours/week and # of months (e.g., 10-month, 11-month, 12-month)	<b>40 hours/week, 12 months</b>

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**Q2**

Current program goal (as listed in comprehensive program review/annual update) this position will directly advance/support:

Goal 1: Increase student success in sophomore-level engineering courses through increased support for ENGR 100 and all other lab classes  
 Goal 2: Create Maker Space to support labs, student projects, engineering club, and national competition teams

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**Q3**

How will this position directly advance/support the goal listed above?

We currently are offering 7 sections of labs per semester, and we have zero lab assistance! Faculty have been volunteering their time to setup, maintain, and repair equipment because we do not have a lab technician. For example, we ran our material science lab for the first time FA23 and the instructor, Dr. Mo, volunteered his time to setting up the equipment and trouble-shooting problems. This is not the job of our faculty; faculty are supposed to focus on teaching and not equipment management. Additionally, our current method of handling lab equipment does not include preventative maintenance! So instead of preventing equipment problems in advance, we instead use equipment till it breaks and then address the problem. This degrades the equipment and is more costly. With our program's dedication to project-based learning and hands-on experiences, we have been extensively using our lab equipment and the 3D printers in the Maker Space. In fall 2023, we ran the 5 Raise3D Pro 2 Plus printers for a total of 341 days! When the 3D printers need maintenance or repair, I (Keenan Murray), provide the services when I have the time as we do not have anyone to currently help with this task. We have well over \$100,000 worth of equipment in the Maker Space alone, plus more in the classroom. We need this equipment regularly maintained. Additionally, a lab technician will boost access and safety in the Maker Space. Currently the Maker Space is only open when I (Keenan Murray) am available. With a lab technician, we can keep the Maker Space open during the week so students can readily have access to the technology to work on projects, which will lead to more student engagement and success.

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**Q4** **Additional general fund position**

What type of position is being requested?

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**Q5**  
Please attach the description for the position classification (job descriptions are posted on this GCCCD Human Resources webpage).

**C.38%20-%20SCIENCE%20LAB%20TECHNICIAN%20IV.pdf (149.2KB)**

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**Q6**  
What are the actual duties and responsibilities that are specific to this requested position that you would like to highlight to help the Classified Hiring Priorities Committee understand the need for this position?How does the lack of this position impact the program's or service area's ability to serve students?(300 words or less)

We need the lab technician to help setup up labs and maintain/repair our equipment. Additionally, the lab technician will provide students with access to our Maker Space which will allow students to work on their projects and/or use the space for creative innovation.

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**Q7**  
\* How are the duties of the requested position currently being performed, if at all?  
Faculty members currently volunteer their time to setup and repair equipment. Preventative maintenance is not performed. The Maker Space is currently only open when I (Keenan Murray) am available for the students to use it.

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**Q8** **Respondent skipped this question**

\* OPTIONAL: If duties are being performed by a grant-funded position, when will the grant end?

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**Q9**  
Please describe how the program/department has changed over the past 3 to 5 years and how this position will help the department serve more students directly or indirectly?

Our post-pandemic enrollment during spring semesters has a slight growth trend while the fall semester trend has a small decrease. Though enrollment is relatively the same, over the course of the pandemic we acquired over \$100,000 worth of equipment to engage our students with project-based learning and hands-on experiences. For example, last semester our 5 3D printers ran for a total of 341 days creating prints for students and their projects.

Additionally, we have wonderful equipment students can use for class projects as well as innovation and their own creativity! However, students only have access to the Maker Space when I (Keenan Murray) am available. With a lab technician, we can open the Maker Space to ALL Cuyamaca students and the community so that people may become inspired and interact with our creative space.

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**Q10**

\* How has the demand for program/department services increased/changed over the past 3 to 5 years?

We have always desperately needed a lab technician to help use run labs and maintain/repair equipment. Instead, we have had wonderful faculty who volunteer their time to cover some of the deficiency or ask if any other technicians have a free minute to help us. It has never been enough. With our implementation of project-based and hands-on experience curriculum, the demand will increase further! So please help us!

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**Q11**

\* How have workloads in the program/department increased/changed over the past 3 to 5 years?

We do not have any classified personal support currently. The faculty workloads have increased as we offer more project-based and hands-on experience curriculum and also expand our course offerings. We started running a new materials science lab FA23 and we are creating another lab course that we hope to run in FA24.

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**Q12**

\* How many more students will the position serve, and who will it serve?

Engineering student enrollment is 250-300 students a semester. With the lab technician to help run the Maker Space, we can provide access to all Cuyamaca students and even invite the community to come to our Maker Space.

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**Q13**

**Increase Completion and Eliminate Equity Gaps**

Which of the College's strategic priorities will this position most directly support? Note: Selecting more than one strategic goal will not impact the Classified Hiring Priorities Committee rating of the position.

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**Q14**

Please explain how the requested position will support the college strategic goal(s) identified above. (200 words or less)  
Rubric Criterion 3

We are developing project-based learning curriculum and hands-on experiences. By having our equipment maintained and the Maker Space staffed, students will have more opportunities to engage in the equipment required for their projects' success. This will provide flexibility and access to students which will increase their chances of being successful in their courses.

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**Q15**

How will this position improve the student experience at Cuyamaca College? How will the program or service area measure the impact of this position on the student experience?(200 words or less)Rubric Criterion 4

We want to have the Maker Space accessible to all students who want a creative space to work. Additionally, the Maker Space is already an exciting experience for visiting prospective students as they generally find the 3D printers very exciting. Therefore, we hope to inspire even more students to explore the field of engineering. With a lab technician providing access to the Maker Space, we could record if students are accessing the Maker Space for course projects or for a creative space.

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**Q16**

Please confirm that you have discussed this classified position request with your dean/manager and that you understand that deans/managers will be providing feedback about the division's priorities and needs to help inform and may impact the prioritization process.

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**Yes, I have discussed this position request with the Dean or Manager**

**Q17**

In an effort for continued improvement of the Classified Position Request Process, the CHPC would like your feedback regarding the CHPC guidance and process for submitting new classified positions requests.

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**Respondent skipped this question**