

Full-Time Faculty Position Request Form 2015 - 2016

This form is used by departments and programs to request new or unfilled faculty positions relying on Program Review and/or other justifications. Submit one form for each position requested. For multiple positions, indicate priority of request (e.g., Subject Position 1, Subject Position 2, etc.). Forms are due to Division Deans by September 11, 2015.

Position Requested:

Contact Person:

Discipline/Division: Starting Term: Fall Spring

This form requires the use of Enrollment Management Tool data, which can be found at the following link: <http://www.laspositascollege.edu/researchandplanning/FacultyPrioritization.php> (If you have any questions about the data, please contact Rajinder Samra 925-424-1027 or rsamra@laspositascollege.edu) or your Dean. The data will be verified by the Dean. Do not attach data spreadsheets.

CRITERIA

1. Number of Full-Time Faculty currently in Discipline:
If requesting more than one position, add 1 to this number for each subsequent position requested.
2. Percentage of FTEF taught by full-time faculty as load for the past six semesters, and projected for one year assuming a successful hire. (If requesting more than one position, see Rajinder Samra to determine the projected numbers).

Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	<u>Projected</u>	<u>Fall 2016</u>	<u>Spring 2017</u>
<input style="width: 50px;" type="text" value="53.2"/>	<input style="width: 50px;" type="text" value="53.0"/>	<input style="width: 50px;" type="text" value="39.8"/>	<input style="width: 50px;" type="text" value="37.3"/>	<input style="width: 50px;" type="text" value="35.2"/>	<input style="width: 50px;" type="text" value="38.6"/>		<input style="width: 50px;" type="text" value="64.0"/>	<input style="width: 50px;" type="text" value="70.2"/>

3. a. For Instructional Faculty: WSCH per FTEF for the past six semesters (use data from link above):

Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
<input style="width: 50px;" type="text" value="467.2"/>	<input style="width: 50px;" type="text" value="419.5"/>	<input style="width: 50px;" type="text" value="438.9"/>	<input style="width: 50px;" type="text" value="430.7"/>	<input style="width: 50px;" type="text" value="424.3"/>	<input style="width: 50px;" type="text" value="429.5"/>

b. For non-instructional faculty (librarians and counselors): Student/Faculty ratio for the past six semesters, and projected for one year assuming a successful hire. Divide headcount by number of full-time faculty. For example: 8000 students divided by 3 full-time faculty.

(If requesting more than one position, see Rajinder Samra to determine the projected numbers).

Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	<u>Projected</u>	<u>Fall 2016</u>	<u>Spring 2017</u>
<input style="width: 50px;" type="text"/>	<input style="width: 50px;" type="text"/>	<input style="width: 50px;" type="text"/>	<input style="width: 50px;" type="text"/>	<input style="width: 50px;" type="text"/>	<input style="width: 50px;" type="text"/>		<input style="width: 50px;" type="text"/>	<input style="width: 50px;" type="text"/>

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4. Check if position is a: Replacement or New

If replacement: What is the position code? (see Dean)

Name of the person being replaced:

Length of time position(s) unfilled:

5. Program Characteristics:

- a. List the courses taught and/or work performed in the discipline.
(Be brief and specific. Use your Program Review to complete this section.)

The Chemistry Program currently has 7 courses including 30A and 30B (General and Organic, and Bio-Chemistry for Allied Health Majors), 1A and 1B (General Chem for science majors), 12A and 12B (Organic Chem) and Chemistry 31 (Intro Chem). We plan to develop non-majors courses like Science and Society and/or Environmental Chemistry

- b. Total number of primary sections as identified in data taught in the discipline in each of the last six semesters (use data from link above):

Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
15	14	13	14	15	14

- c. Student enrollments in the classes taught or number of students served in each of the last six semesters (use data from link above):

Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015
89	79	80	84	87	81

- d. List special characteristics of the discipline such as: (Be brief and specific. Use your Program Review to complete this section.)

- Mandated class size limits due to state, contract, and accreditation standards.
- Facilities
- Number of courses out of the total number of courses in the discipline that meet General Education Requirements
- Number of courses out of the total number of courses offered that are required as part of an AA/AS degree, certificate or transfer
- Discipline provides basic skills courses
- Discipline provides mandated and specialized services to students
- Other

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-All Chemistry classes have an extensive lab component. Lab space limits class sizes for safety reasons at 24 students per lab section. Chemistry 12A/12B have additional lab requirements that limit sections to 22 students. Some introductory courses combine two lab sections with a single lecture. All CHEM courses meet Physical Science (with lab) GE requirements. Chem 30A and 30B are part of the AA in Allied Health and are required for transfer in Dental Hygiene. Chem 30A is required for the AA in Viticulture and several other degrees. Chem 1A, 1B, 12A and 12B are required for AS in Chemistry and AA in Biology. The Program has two degrees - AS Chemistry and AA Chemical Education.

6. Describe how courses and/or services in this discipline impact other disciplines and programs. (Be brief and specific. Use your Program Review to complete this section.)

-Chem 1A, 1B, 12A and 12B are central to Chemistry, Biology, Chemical Engineering, BioMedical Engineering, Pre-Medical, Pre-Pharmaceutical, Pre-Dental, Pre-Veterinary and other related majors. Chemistry 1A (and sometimes 1B) are required for other engineering, physics, and computer science majors. These classes are central to STEM Education.
-Chemistry 30A and 30B support pre-nursing, pre-dental hygiene, nutrition, viticulture, enology, paramedic/EMT, fire science, and other related programs.
-Chemistry 31 is a prep course for students who did not receive adequate preparation for General Chemistry in high school or who have not had chemistry in many years.

7. If this is the first full-time position in the discipline, discuss: (Be brief and specific. Use your Program Review to complete this section.)

- Justification for the position.
- Projected start-up costs for equipment, facilities, and support staff for the first three years.
- Projected enrollment growth for the next three years, starting with the first semester of the projected faculty hire.

Not applicable -- facilities, support staff and student demand are already in place. The Chemistry Program maintains 3 laboratories, 2 balance rooms, 1 prep room, and an instrument room. In addition to student locker equipment and standard lab equipment, these facilities also contain research-grade instrumentation as described below. This will be the fourth full time position in Chemistry. For comparison, Chabot College has six full-time faculty in Chemistry, while LPC has only three.

8. What are the impacts on students, the discipline and the college of NOT filling this faculty position? What are the programs/courses/services that have not been or cannot be offered due to the vacancy? (Be brief and specific. Use your Program Review to complete this section.)

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The LPC Chemistry Program will continue to offer the same courses--staffed instead with part-time faculty. There could potentially be a lower quality of instruction, safety, and faculty investment in the Chemistry Program. It will be increasingly difficult for the Program to expand course offerings to meet demand; to update curriculum for rapidly changing science and technology; and to cover staffing during sabbatical and workload banking leaves. The Chemistry Program has not had a new full time faculty in 10 years. Fresh talent, enthusiasm and outside ideas are vitally important for the Program and for Student Success. New courses such as "Chemistry and Society," "Environmental Chemistry," and "Wine Chemistry" might be developed in the future to serve our students if there are enough full-time faculty to develop new courses, to update curriculum, to maintain sophisticated instrumentation, and to complete the administrative workload demanded of all college programs. Chemistry has the added concerns of lab safety and hazardous chemical waste.

9. Any additional information that addresses justification of the position. If multiple positions are being requested, this is an opportunity to differentiate the justifications for additional positions.

The Chemistry Program has acquired excellent instrumentation through Measure B including Carbon and Hydrogen NMR, FT-Infrared Spectroscopy, GC-MS (Gas Chromatography-Mass Spectroscopy), AA (Atomic Absorption Spectroscopy), and Vernier Logger-Pro Interfaced sensors for temperature, UV-Visible Spectroscopy, radiation detection, pH measurements, etc. Each of these instruments requires a different expertise to operate, maintain, keep updated, develop curriculum for and, most importantly, teach! Full-time faculty are much more likely to spend the extra, unpaid hours learning, developing, and training others on these instruments. A fourth full-time faculty with experience using and teaching with each of these instruments would make the investments in instrumentation significantly more valuable.

Signatures:

m. Ansell

Requestor

[Signature]

Dean

[Signature]

Vice President