Full-Time Faculty Position Request Form 2020 - 2021

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, 2019.

Position Requested: Computer Science Instructor

Contact Person: LaVaughn Hart

Discipline/Division: STEM   **Starting Term: Fall** x   **Spring**

This form requires data. Most of the 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.

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: _____

CRITERIA

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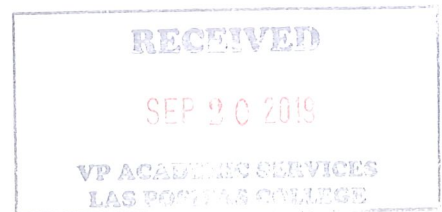
2. For Instructional Faculty: Percentage of FTEF taught by full-time faculty as load for the past six semesters, and projected for one year assuming a successful hire. (Use data from link above. If requesting more than one position, see Rajinder Samra to determine the projected numbers.)

| | | | | | | Projected | |
Fall 2016	Spring 2017	Fall 2017	Spring 2018	Fall 2018	Spring 2019	Fall 2020	Spring 2021
52.7	64.5	24.0	47.3	39.6	39.5	59.6	62.6

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

Fall 2016	Spring 2017	Fall 2017	Spring 2018	Fall 2018	Spring 2019
593.7	596.1	563.8	577.6	535.0	532.9

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. | 1:2666 |

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

						Projected	
Fall 2016	Spring 2017	Fall 2017	Spring 2018	Fall 2018	Spring 2019	Fall 2020	Spring2021
						‖	

4. **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 Computer Science program prepares students for direct job entry and/or preparation for transfer to a four-year university. The program coves a wide range of computer related profession that include programming, systems analysis, data process, and computer science. The program consists of 14 courses, 1 degree, and 2 certificates of achievement.
>
> Degree
> AS: Computer Science
>
> Certificate of Achievements
> Computer Programming
> Computer Programming for the Web

b. Total number of primary sections as identified in data taught in the discipline in each of the last six semesters (use data link from page1):

Fall 2016	Spring 2017	Fall 2017	Spring 2018	Fall 2018	Spring 2019
12	14	13	16	16	17

c. Student enrollments (FTES) in the classes taught (use data link from page 1)or number of students served in each of the last six semesters:

Fall 2016	Spring 2017	Fall 2017	Spring 2018	Fall 2018	Spring 2019
74	68	78	81	86	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/AD-T degree, certificate or transfer
- Discipline provides basic skills courses
- Discipline provides mandated and specialized services to students
- Other

Notable characteristics of the Computer Science discipline include:
* CS1 is an increasingly popular course that fulfills General Education requirements as well as degree requirements in other disciplines, including Engineering, a new Computer Information Technologist degree and other STEM fields.
* Most courses offered in Computer Science are required for an AS degree or certificate and/or to fulfil requirements at transfer institutions.
* All courses in this discipline include lab sections and active use of computers and related technology during all class sessions.
* State-specified Minimum Qualifications require instructors in Computer Science to have Masters degree in that discipline.
* A Transfer Model Curriculum (TMC) has been approved in Computer Science, and several core Computer Science courses are approved to match corresponding C-ID descriptors.

5. **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.)**

There is a strong interconnection between the CS program and other STEM majors and programs, with other STEM degrees, locally and at transfer institution often either requiring a programming course or giving students an option to fulfill a general requirement by taking a programming course. It is typical for large number of students enrolled in CS1, our highest-enrollment course (currently 6 sections per semester), to be in the college's Engineering Transfer Program or pursuing other STEM majors. In addition, several courses in Computer Science are commonly cross-listed with Computer Information Systems, Computer Networking Technology, and/or Mathematics.

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

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

> not applicable

7. 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.)
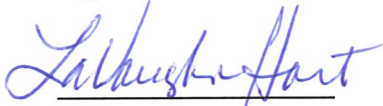
> We are experiencing strong and ongoing enrollment growth and increasing student interest in our CS program. The historically high number of sections we now offer is accomplished with several part-time instructors teaching only one course each, and some of these instructors were hired quite recently. This is not a very stable situation, as part-time instructors compare their experiences here with alternative opportunities within the regional job market, and the combined constraints of space, time and part-time instructors' commitments elsewhere may not always work out. The large number of part-time instructors also makes it hard to do effective coordination and collaboration across all faculty in the discipline. With enrollment continuing to increase, the lack of a third full-time position limits our ability to offer sufficient sections and accomplish discipline-wide work to effectively serve the number of students we have.

8. **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.**

This new position request reflects both the substantial enrollment growth we have seen in recent years and the expectation of both the continuation of that trend and an increasing number of opportunities, going forward, for involvement of the Computer Science discipline and faculty in campus-wide and regional initiatives and programs.
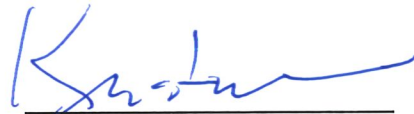
Signatures:

Requestor

Dean
9-12-19

Vice President