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**LMC Cover Sheet for all Credit Programs**

**Associate in Science in Computer Science for Transfer**

PROPOSED PROGRAM TITLE CONTACT PERSON:

**Los Medanos College**  Louie Giambattista

COLLEGE

**Contra Costa Community College District**

DISTRICT

**GOAL(S) OF PROGRAM:**

 [ ]  CAREER TECHNICAL EDUCATION (CTE) [x] TRANSFER  [ ]  CTE and TRANSFER

**TYPE OF PROGRAM (SELECT ONLY ONE):**

[ ]  AA-T DEGREE (for transfer)\*

[x]  AS-T DEGREE (for transfer)\*

**PLANNING SUMMARY**

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| --- | --- | --- | --- | --- | --- |
| 1 | **Program Award** | Listed above | 9 | **Faculty Workload** | 2.0 |
| 2 | **Program Title**  | Listed above | 10 | **New Faculty Positions** | None |
| 3 | **Program Goal** | Listed above | 11 | **New Equipment** | No  |
| 4 | **Recommended T.O.P. Code**(Listed on your TMC Template) | 070600 | 12 | **New Remodeled Facilities** | No |
| 5 | **Effective Date** |  | 13 | **Library Acquisitions** | No |
| 6 | **Units for Degree Major of Area of Emphasis** (minimum) *Units must match your TMC template.* | 28 | 14 | **Program Review Date** (month/year) | ? |
|  | **Units for Degree Major of Area of Emphasis** (Maximum) *Units must match your TMC template.* | 29 | 15 | **Apprenticeship** (yes/no) | No |
| 7 | **Total Units for Degree** (minimum) | 60 | 16 | **100% Distance Education** (yes/no) | No |
|  | **Total Units for Degree** (maximum) | 60 | 17 | **District Governing Board Approved** (yes/no) | No |
| 8 | **Annual Completers** | 5 | 18 | **District Governing Board Approval Date** | ? |

**LOS MEDANOS COLLEGE NARRATIVE FOR**

 **THE ASSOCIATE OF SCIENCE IN COMPUTER SCIENCE FOR TRANSFER DEGREE**

**Criteria A. Appropriateness to Mission**

1. **Statement of Program Goals and Objectives**

The objective of the Associate of Science in Computer Science for Transfer Degree is to facilitate the transfer of students from Los Medanos College to the CSUs to pursue an undergraduate degree in Computer Science. The Associate of Science in Computer Science for Transfer Degree is designed to provide educational experiences at the lower division level with depth, breadth and rigor to ensure that transfer students are well prepared to succeed in upper division work in Computer Science. This preparation is comparable to lower division work completed in the first two years in the California State University. The specific courses that comprise our Associate of Science in Computer Science for Transfer Degree were selected to meet the Transfer Model Curriculum and the lower division requirements for transfer to the California State University System baccalaureate degree programs in Computer Science.

1. **Catalog Description**

The Associate of Science in Computer Science for Transfer Degreeis designed for students desiring advanced degrees in Computer Science. The Los Medanos College Computer Science courses meet the lower division transfer requirements for Computer Science. The curriculum includes the first and second year requirements for transfer to a four-year institution. A baccalaureate degree is the recommended preparation for those considering professional careers in Computer Science.

The Program Student Learning Outcomes for the Associate of Science in Computer Science for Transfer Degree:

1. Be academically prepared to transfer to a Computer Science program at a four-year university.
2. Demonstrate the ability to solve a variety of problems using computational skills necessary for careers in computer science and other related fields.

To achieve the Associate in Science in Computer Science for Transfer Degree, students must (1) complete 60 semester units or 90 quarter units that are eligible for transfer to the California State University (2) fulfill the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements (3) complete a minimum of 28 semester units or 27 quarter units in the major area of emphasis, as determined by the community college district (4) obtain a minimum grade point average of 2.0 (5) earn a “C” grade or better in all course required for the major area of emphasis. A “P” (Pass) grade is not acceptable grade for courses in the major.

Nota bene: To complete the degree at Los Medanos College with no more than 60 units, students must follow IGETC/CSU path for the General Education. Students will not be able to complete the degree within 60 units following the CSU General Education Breadth Requirements. Therefore, students are highly encouraged to consult with their counselors when choosing general education classes. In particular, students must satisfy part of the IGETC Area 4 requirement by completing POLSC-010 or POLSC-020 in Area 4H, and by completing ECON-005 or HIST-029 or HIST-030 in Area 4F.

**Sample 2-year Program:**

1st Semester 2nd Semester\_\_\_\_

Courses Units Courses Units

COMSC-122 3 COMSC-132 3

MATH-050 4 MATH-060 4

IGETC-GE 9 IGETC-GE 9

Total 16 Total 16

3rd Semester 4th Semester\_\_\_\_

Courses Units Courses Units

COMSC-142 3 MATH-160 4

MATH-070 4\* PHYS-041 4

PHYS-040 4 IGETC-GE 10

IGETC-GE 3

Total 14\* Total 18

Total Major Requirement: 29 units

Total IGETC-GE Requirement: 31 units

Total Unit Requirement: 60 units\*

\*MATH-070 is a prerequisite/co-requisite for PHYS-041, therefore it does not count towards the 60 unit total.