PROGRAM REVISION FORM

C&I MEETING DATE: 11/11/15	**PROGRAM TYPE:** Certificate 18+ units
DIVISION: BUSD	
PROGRAM TITLE: Computer Software Technician	

JUSTIFICATION OF NEED

Changes made in order to meet current industry standards. Entrepreneurship courses were added to this program as optional in order for students to understand the process of starting a business and have the appropriate mindset to survive (Some of students want to start their own business. Common in CTE fields). CABOT 206 and CABOT 208 moved from Additional Courses to Recommended Preparation.

☐ **This program revision was triggered by SLO assessment data findings. (If true, check box and explain.)**

NOTE: When a course is being deleted, a separate
Program Revision Form must be submitted for each program affected.

TYPE OF REVISION
SUBSTANTIAL PROGRAM REVISION

Change in goals or objectives of the program? If yes, check new program goal (check all that apply)

☐ Transfer
☐ CTE
☐ Other (designed to meet community needs)
☐ Change in TOP code to a different discipline? If yes, enter new TOP code:
☐ Change in CIP code? If yes, enter new CIP code:
☐ Addition of an award (AA, AS, AA-T, AS-T, certificate, or skill award) under same program?
If yes, enter NEW award:
☐ Change in the job category for which the students are prepared?
If yes, enter NEW category:
☐ Change in Bachelors major students transfer to?
If yes, enter NEW major:

Note: For substantial changes as identified above, all items in the Degree Narrative with modifications highlighted (see PCAH pages 140-147 of the 5th edition), justification of need, course outlines, and transfer documents (see PCAH pages 140-149 of the 5th edition) will need to be submitted with the proposal.

TYPE OF REVISION
NONSUBSTANTIAL PROGRAM REVISION

☐ Change in title? If yes, enter NEW title:
☐ Change in TOP code within same discipline? If yes, enter NEW TOP code:
☒ Program unit change?
      Minimum Units in the major:
      Maximum Units in the major:
      Minimum Total Units in the program: 24
      Maximum Total Units in the program: 24

☐ Change in bachelor major to which students will transfer?
☒ Addition or removal of courses in the program: Removal of CS/IS 110, CS/IS 120 and all ECT courses. Addition of ENTRE 101 and 102

Note: For nonsubstantial changes as identified above, course outlines of the courses in the program, the Program

> **Commented [NT1]:** The chancellor's office has this certificate with 32 units. I will have to make a unit change at the chancellor's office.

Requirements Table (item #3 of the degree Narrative), justification of need, and transfer documents (if there is a change in the transfer major) will need to be submitted with the proposal.

Requirements	Dept. Name /#	Course Title	Units	CSU-GE	IGETC	Sequence
Recommended Preparation	CABOT 206	Macintosh Basics	1			Year 1, Fall
Recommended Preparation	CABOT 208	Windows Basics	1			Year 1, Fall
Required Courses	CS/IS 101	Introduction to Computer and Information Systems	5			Year 1, Fall
	CS/IS 112 OR 135	Introduction to Programming Using Java OR Programming in C/C+	3 3			Year 1, Fall OR Year 1, Spring
	CS/IS 190	Intro to Computer Networks	3			Year 1, Fall
	~~CS/IS 110~~	~~INTRODUCTION TO PROGRAMMING~~	~~3~~			
	~~ECT 110~~	~~ELECTRICITY AND ELECTRONICS PRINCIPLES~~	~~3~~			
Additional Courses:						
	BUSAD 106	Written Business Communications	3			Year 1, Fall
	BUSAD 110	Human Relations in Business	3			Year 1, Spring
	CS/IS 130	Introduction to Algorithms	3			Year 1, Spring
	CS/IS 135	Programming in C/C++	3			Year 1, Spring
	CS/IS 137	Visual C++ Object-Oriented Programming &advanced Topics	4			Year 2, Fall

	CS/IS 139	JAVA	3			Year 2, Fall
	ENTRE 101	**Concepts of Entrepreneurship**	**2**			Year 1, Fall
	ENTRE 102	**The Entrepreneurial Mindset**	**3**			Year 1, Spring
	~~CS/IS 120~~	~~VISUAL BASIC~~	~~3~~			
	~~CS/IS 191~~	~~INTERNET ORIENTATION~~	~~1~~			
	~~ECT 100~~	~~TECHNICAL MATHEMATICS FOR ELECTRONICS~~	~~3~~			
	~~ECT 201~~	~~SOLID STATE DEVICES~~	~~3~~			

Required Major Total: 24 units
Total Units: 24 units
Proposed Sequence
Year 1, Fall: 13 units
Year 1, Spring: 11 units

APPLICATION DATA FIELDS
(required for all program revisions)

Annual Completers: 1 total in 2011-2012, 2012-2013, 2013-2014
Net Annual Labor Demand (for CTE only): 19,000 jobs between 2012 and 2022 for Software Developers, Systems Software www.labormarketinfo.edd.ca.gov)
Total Faculty Workload: 0.73
New Faculty Positions: 0
New Equipment: 0
New or Remodeled Facilities Costs: 0
New Library Resources: 0
Program Review Date: November 2016

Check all that apply:

☐ Gainful employment
☐ Apprenticeship
☐ CTE Consortium Approval
☐ District Board Aproval   District Approval Date:
☒ Percent of courses in the degree that are Distance Education: 50%