

Comprehensive Program Review Report



Program Review - Information Technology

Program Summary

2023-2024

Prepared by: Ramyar Alavi-Moghaddam

What are the strengths of your area?: The ICT program is having a banner Fall 2023. I had two introductory courses with waiting lists as a result a second section was added which filled up to the required capacity. Have continued to place students into internship opportunities and in some cases full time position in industry.

What improvements are needed?: Focused effort on having IT in person tours for various IT facilities through my industry advisory members. Looking at replacing some courses to make sure my program stays relevant with industry needs. This will be achieved through direct interaction with the Industry Advisory committee. Their feedback and recommendations are crucial to this end.

Describe any external opportunities or challenges.: 1. Working with K-12 institutions to promote my program and possibly have students take ICT courses at COS.

Outcome cycle evaluation: Currently the program outcomes are inline with COS ILOs. Students in the ICT program are working in industry through internship, project based opportunities, and full time positions (refer to the ICT website for a list of students currently employed in industry).

Overall SLO Achievement: SLOs have been entered into TracDat and will be completed in 2021-2022.

Changes Based on SLO Achievement: None

Overall PLO Achievement: PLOs have been entered into TracDat and will be completed in 2021-2022.

Changes Based on PLO Achievement: None

Action: 2023-2024 Completed replacement of outdated courses

Both ICT-211, and 212 have now been replaced. A previous elective course replaces (ICT-235) replaces ICT-211, and a new course (ICT-240 is replacing ICT-212.

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Implementation Timeline: 2023 - 2024

Leave Blank: 08/01/2022

Leave Blank: 08/01/2023

Identify related course/program outcomes: Having background in virtualization and cloud computing is a key component to success in industry based on discussion with my industry partners. The combination of these to course offering will provide a better chance for student employment after completion of certificates and/or the A.S. in Information Communication Technology.

Person(s) Responsible (Name and Position): Ramyar Alavi-moghaddam

Rationale (With supporting data): Based on industry practices it's important to provide updated and new technology courses. I will continue to work closely with my industry advisory so my program will match their needs towards hiring my students.

Priority: High

Safety Issue: No

External Mandate: Yes

Safety/Mandate Explanation: The adjustment to my courses, certificate, and associates have been completed through course leaf.

Link Actions to District Objectives

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District Objectives: 2018-2021

District Objective 2.1 - Increase the percentage of students who earn an associate degree or certificate (CTE and Non-CTE) by 5 percentage points over three years

District Objective 2.4 - By 2021, Increase the percentage of CTE students who achieve their employment objectives by 5 percentage points

District Objectives: 2021-2025

District Objective 2.4 - Increase the percentage of CTE students who achieve their employment objectives by five percentage points (job closely related to field of study and attainment of a livable wage) and the number of CTE students who successfully complete 9+ CTE units in a single year by 10% from 2021-2025.

Action: 2023-2024 Increase enrollment by marketing the ICT Program

Grow the ICT program through partnering with high schools. This will include coordination with I & T high school liaison to share what is available in terms of programs, and industry job opportunities.

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Implementation Timeline: 2023 - 2024

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Identify related course/program outcomes:

Person(s) Responsible (Name and Position): Ramyar Alavi-moghaddam Faculty

Rationale (With supporting data): This action will improve enrollment in the ICT program. It will also provide valuable information regarding local internship and job opportunities.

Priority: High

Safety Issue: No

External Mandate: No

Safety/Mandate Explanation:

Link Actions to District Objectives

District Objectives: 2018-2021

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District Objective 2.4 - By 2021, Increase the percentage of CTE students who achieve their employment objectives by 5 percentage points

District Objectives: 2021-2025

District Objective 1.1 - The District will increase FTES 2% from 2021 to 2025.

District Objective 2.1 - Increase the number of students who earn an associate degree or certificate (CTE and non-CTE) by 5% from 2021-2025.

Action: 2023-2024 ICT marketing and increase WBL opportunities for students

Provide informational tours twice a year (Fall and Spring semesters) for students. Have a system of referring students to industry partners for internship, job shadowing, and volunteer opportunities.

Leave Blank: Continued Action

Implementation Timeline: 2023 - 2024

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Identify related course/program outcomes: Provide industry experience through internships, job shadowing, and volunteer work with industry partners.

Person(s) Responsible (Name and Position): Ramyar Alavi-Moghaddam

Rationale (With supporting data): Two year technology degrees will be the main component in economic growth in the south valley for the coming years.

Priority: High

Safety Issue: No

External Mandate: No

Safety/Mandate Explanation:

Link Actions to District Objectives

District Objectives: 2018-2021
District Objective 2.1 - Increase the percentage of students who earn an associate degree or certificate (CTE and Non-CTE) by 5 percentage points over three years
District Objective 2.4 - By 2021, Increase the percentage of CTE students who achieve their employment objectives by 5 percentage points
District Objectives: 2015-2018
District Objectives - 1.1 - Increase overall enrollment by 1.75% annually
District Objectives - 2.1 - Increase the number of students who are transfer-prepared annually.
District Objectives - 2.4 - Increase Career Technical Education course success rates and program completion annually.
District Objectives: 2021-2025
District Objective 2.4 - Increase the percentage of CTE students who achieve their employment objectives by five percentage points (job closely related to field of study and attainment of a livable wage) and the number of CTE students who successfully complete 9+ CTE units in a single year by 10% from 2021-2025.

Action: 2022-2023 Provide updated curriculum to students by replacing outdated courses

Work on changing out ICT-211, and 212 with possibly Introductory course in Linux OS. Moving ICT-235 form an elective to requirement.

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Implementation Timeline: 2022 - 2023

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Identify related course/program outcomes: Provide an overview of Linux operating system which is utilize in larger size networks. Having background in virtualization is a key component to success in industry when it comes to network support. The combination of these to course offering will provide a better chance for student employment after completion of certificates and/or the A.S. in Information Communication Technology.

Person(s) Responsible (Name and Position): Ramyar Alavi-moghaddam

Rationale (With supporting data): My industry advisory have voiced a need for students to understand virtualization at a basic level. Furthermore, they have asked about the possibility of adding a course in Linux since they utilize this technology at various areas in their network.

Priority: High

Safety Issue: No

External Mandate: Yes

Safety/Mandate Explanation: I will have to put these changes through Course Leaf for approval once my industry advisory members approve the change. It may take a year or so before full implementation.

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Link Actions to District Objectives

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