
Docket Item:

Community College Approval: Treasure Valley Community College, Associate of Applied Science in Industrial Manufacturing & Automation Control System within 15.0612 Industrial Technology/Technician.

Summary:

Treasure Valley Community College proposes a new Associate of Applied Science in Industrial Manufacturing & Automation Control System. Higher Education Coordinating Commission (HECC) staff completed a review of the proposed program. After analysis, HECC staff recommends approval of the degree as proposed.

Staff Recommendation:

The HECC recommends the adoption of the following resolution:
RESOLVED, that the Higher Education Coordinating Commission approve the following degree: AAS in Industrial Manufacturing & Automation Control System.



Treasure Valley Community College seeks the Oregon Higher Education Coordinating Commission's approval to offer an instructional program leading to an Associate of Applied Science in Industrial Manufacturing & Automation Control System.

Program Summary

The Industrial Manufacturing and Control Systems AAS prepares students to work in a variety of automated electro-mechanical, product assembly, process control or product distribution industries that use programmable controls, instrumentation, troubleshooting and other methodologies to accomplish system management. Provides skills to define, integrate, install, program, maintain and operate complex control systems.

1. *Describe the need for this program by providing clear evidence.*

The college has a demand, as demonstrated by the great number of requests by incoming students. The college has historically provided an advanced manufacturing program that still has industry relevance, demonstrated by the workforce demand and employment projections. This new program is essentially a re-design to retain the relevant aspects of the IMAC program and combine it with additional skills needed for a highly-trained workforce.

2. *Does the community college utilize systemic methods for meaningful and ongoing involvement of the appropriate constituencies?*

TVCC already has a long-standing Advisory Committee for the IMAC programs. This committee has met to develop and improve this program at TVCC. The group is normally scheduled to meet twice a year to continue the systematic methods of meaningful and ongoing involvement.

3. *Is the community college program aligned with appropriate education, workforce development, and economic development programs?*

TVCC has aligned this program with industry-recognized credentials. This program was specifically designed to align with workforce and economic development needs.

4. *Does the community college program lead to student achievement of academic and technical knowledge, skills, and related proficiencies?*

TVCC has the content that allows a student to obtain recognized industry certifications. There are currently seven industry recognized certifications, via National Coalition of Certification Centers (NC3), embedded into the program: Hydraulics; Pneumatics; Electropneumatics; PLC; Sensors; AC electricity; and DC electricity. These NC3 Certificates are developed and certified with industry partners such as Snap On, Trane, 3M, Festa, and Allen Bradley/Siemens. This is a technical program that one needs to

demonstrate proficiencies, in order to successfully complete.

5. Does the community college identify and have the resources to develop, implement, and sustain the program?

TVCC has had a Manufacturing program for a number of years, thus we have the physical space, infrastructure, instructional capability, equipment and expertise needed to launch and sustain the program. Again, this is a re-structure that will require more than 30% change to the existing program, thus a new program is requested.

Assurances

Treasure Valley Community College has met or will meet the four institutional assurances required for program application.

1. *Access.* The college and program will affirmatively provide access, accommodations, flexibility, and additional/supplemental services for special populations and protected classes of students.
2. *Continuous Improvement.* The college has assessment, evaluation, feedback, and continuous improvement processes or systems in place. For the proposed program, there will be opportunities for input from and concerning the instructor(s), students, employers, and other partners/stakeholders. Program need and labor market information will be periodically re-evaluated and changes will be requested as needed.
3. *Adverse impact and detrimental duplication.* The college will follow all current laws, rules, and procedures and has made good faith efforts to avoid or resolve adverse *intersegmental* and *intra-segmental* impact and detrimental duplication problems with other relevant programs or institutions.
4. *Program records maintenance and congruence.* The college acknowledges that the records concerning the program title, curriculum, CIP code, credit hours, etc. maintained by the Office are the official records and it is the college's responsibility to keep their records aligned with those of the Office. The college will not make changes to the program without informing and/or receiving approval from the Office.