Expanding Lifelong STEM Career Pathways in Sustainable Building Science Technology
Evaluation Summary | 2018

BACKGROUND
Expanding Lifelong STEM Career Pathways in Sustainable Building Science Technology (SBST) is a project whose mission is to advance technical education by developing a Baccalaureate of Applied Science in Sustainable Building Science Technology. SBST serves the students and faculty of South Seattle College, community colleges in Puget Sound Region and other project and centers in the National Science Foundation’s Advanced Technological Education program.

FUNDER: National Science Foundation
Advanced Technological Program

TIMEFRAME: 2014-2018
(3 year grant +1-year no-cost extension)

AWARD AMOUNT: $862,080.00
~$215,520/year

ENROLLMENT GOALS

TOTAL STUDENTS ENROLLED
Goal, 75
15 Yr1 33 Yr2 51 Yr3

FEMALE STUDENTS ENROLLED
9 Yr1 12 Yr2
Goal, 9

VETERAN STUDENTS ENROLLED
8 Yr1 4 Yr2
Goal, 9
Yr3 Yr4

QUALITY OF THE PROGRAM
Students were asked about the quality of the program, and were given 10 areas to rate on a 4-point scale. The lowest rated areas were online experience and the troubleshooting process, but both areas had still a rating of good at, 3.38.

Build skills in sustainable building science.
Build skills in building management operations.
The quality of the teachers.
Interactions with faculty and staff.
Learn about real world applications.

UTILITY OF THE PROGRAM
Students were presented with 20 features of the program and were asked to rate their usefulness in preparing them to be successful. All areas were rated as very useful or quite useful. Three themes emerged in the top items including:

TEAMWORK
Including establishing rapport with teammates and industry; and listening to ideas of others.

TECHNICAL SKILLS
Including building science, systems and components; energy analysis and auditing.

COMMUNICATION
Including accepting feedback and constructive criticism; presentations and communication.

This report is based on findings from the Year 3 Evaluation Report prepared by The Allison Group. This one page report was created by EvaluATE (NSF# 1600992) as an example one page report. Any questions about the findings should be addressed to Terryll Bailey at t.bailey@theallisongroup.com.

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