

SVCC CTE Program Review Template

This program review template will be used to review the following program and courses.

Program (degree and related certificates): Sustainable Technologies: AAS 070 & Solar Energy: Cert 0H80

Related program courses: ENE 102, ENE 130, ENE 135, ENE 140, ENE 145, ENE 150

CTE Program Objectives

Prompts: *What are the objectives of this program and the courses related to this degree/certificate?*

Response to prompts:

The objective of this program is to prepare students to find employment in the field of sustainable technologies (renewable energy). Additional course objectives are to familiarize students with the sustainable technologies used in electrical, electronics, multicraft, and HVAC programs.

CTE Program Need

Prompts: *Is there a need for this program? Is the array of courses offered for this program appropriate to meet the needs of students? Are high quality jobs available for graduates of this program?*

Possible topics to discuss: Program enrollment, class enrollment, program/class enrollment by ethnic group, number of declared majors (total and by ethnic category), number of completions (total and by ethnic category), quality and number of jobs available to graduates.

Data sources: Table 1A, Table 1B, Table 2, Occupational Follow-up Survey data

For local data on wages use Illinois Department of Employment Security: find at http://www.ides.illinois.gov/LMI/Pages/Occupational_Employment_Statistics.aspx
Use region #6 (NW) or by individual county.

For local data on occupational outlook use IDES: find at http://www.ides.illinois.gov/LMI/Pages/Employment_Projections.aspx
Use LWA #4.

National data on wages and occupational outlook can be found at the U.S. Bureau of Labor Statistics. Use this link: <http://www.bls.gov/ooh/home.htm>. Select occupational group and determine entry level education. Then select occupation.

Response to prompts (identify strengths and challenges): In your narrative, please refer to the data sets or evidence you have chosen to support your case.

Sustainable Technologies: AAS 070 & Cert 0H80

Sustainable Technologies currently has 2 students registered for the degree and the certificate (as of Fall 2014). Average class size has been 7.1 students however classes have not consistently been offered due to low enrollment.

Local industry was surveyed and did not provided any positive feedback regarding the need for a renewable energy degree. Only one employer has indicated a need for sustainable technologies technicians and they indicate that they would not hire a tech unless they also had the multicraft degree.

CTE Program Cost Effectiveness

Prompts: *Is the program cost effective? What steps can be taken to offer courses more cost effectively? Does the program need additional resources?*

Possible topics to discuss: Has the program remained within its allocated budget? Is the budget adequate to supply necessary services? Is the program's net income positive or negative? Does the program need additional resources? If so, what resources are needed?

Available Data Sources: Table 3A, Table 3B

Response to prompts (identify strengths and challenges). In your narrative, please refer to the data sets or evidence you have chosen to support your case.

Course fees for this program have not covered lab expenses. The program is new and has had some start-up expenses but does not have a high enough enrollment to cover lab expenses even overlooking start-up expenses.

CTE Program Quality

Prompts: *Do the program and the program's courses provide quality and pertinent educational opportunities for students? What steps, if any, need to be taken to update or improve the program or the program's courses? Describe any programmatic achievements including any accreditation, certifications, and licensures.*

Possible topics to discuss: Fulltime to part-time faculty ratio, amount of overload, class sizes, communication practices between full-time and part-time faculty (including dual credit), professional development of faculty, grade distributions, success of students in classes with prerequisites, course scheduling (sequencing), convenience of class schedule (day, evening, hybrid, online course availability), relevance of equipment. Any irregularities between ethnic groups or gender could be noted for many of the categories above.

The types of and quality of materials and equipment could also be discussed here along with facility quality.

The following topics MUST be discussed in this section to satisfy ICCB and HLC guidelines: retention rates, degree completion rates, proportion of faculty participating in

Sustainable Technologies: AAS 070 & Cert 0H80

assessment (FT and PT including dual credit) and the impact of academic assessment on the program.

Available Data Sources: Student surveys, Table 1A, Table 1B, Table 2, Table 4A, Table 4B, Table 5A, Table 5B, Table 6, Assessment Data Base, College Dashboard, Graduate follow-up data, program surveys, focus groups, interviews, etc.

Response to prompt (identify strengths and challenges). In your narrative, please refer to the data sets or evidence you have chosen to support your case.

Since 2013, 6 students have declared sustainable technologies as a major. There have been no degrees or certificates awarded. There have been 2 GECC completions. Retention rates have averaged 91.7% Fall to Spring (2 periods) but only 25% Fall to Fall (1 period).

100% of the faculty teaching in the program have participated in the college assessment process. No modifications to the program due to assessment data are noted.

Focused Questions from the Administrative Review Team (ART)

Question 1. Should the Sustainable Technology program be discontinued and the geothermal and solar classes be added as a “track” in the HVAC program?

Response to question 1 (please refer to any data sets or evidence to support your case):

Enrollment and industry data supports discontinuing the program. Selected courses should be offered as part of the multicraft, electronics, electrical, and HVAC programs. PV would be a component of multicraft, electronics, and electrical programs, and geothermal and solar themal would be components of the HVAC program.

Question 2. What is the best way to market the program (whether as a separate Sustainable Technology program or as the new HVAC option) in order to increase enrollment?

Response to question 2 (please refer to any data sets or evidence to support your case):

When the sustainable program was developed, it was planned that an instructor would be hired to direct it. The sustainable program has never had a full-time instructor and courses have always been taught by instructors from other programs. Class quality has been good but nobody has been available to market/promote the program.

In the future, PV needs to be marketed as part of the multicraft program and geothermal and solar themal need to be marketed as a way to show evidence that our HVAC program is keeping up with industry trends.

Responses to Program Challenges. Every program has challenges it must overcome. This program review process allows Sauk employees to identify those challenges and then create a plan to overcome those challenges. Please describe the program’s challenges and the purposed response below. These responses will be added to the Operational Planning matrix found below.

Response to Challenges:

Sustainable Technologies: AAS 070 & Cert 0H80

If the program is to be continued, an instructor must be hired for the program. This program has never had a full-time instructor to promote or develop the program.

Program Bookkeeping Tasks

Task List	Description of Task	Is the task complete?
Course outlines	Please review all course outlines for the courses listed at the top of this document and send it to Curriculum Committee for approval. ALL outlines must go through Curriculum Committee even if no or few changes were made.	Pending some modifications due to recommendations
Catalog descriptions	Please review catalog descriptions of the program. If there are changes to the program description, please send it to the Curriculum Committee for approval.	Yes
Course descriptions	Please review course descriptions found in the catalog that are listed at the top of this document. If there are changes to the course descriptions please send them to the Curriculum Committee for approval.	Yes

Reviewer's Final Recommendation

Recommendation	Check only one	List program name (if more than one is being reviewed or make additional copies of this table for each program)
Continued with minor improvements	<input type="checkbox"/>	
Significantly modify the program	<input type="checkbox"/>	
Discontinued/Eliminated	<input type="checkbox"/>	
	<input checked="" type="checkbox"/>	Sustainable Technologies: AAS 070 & Solar Energy: Cert 0H80

Signature/Date	Program Review Team Member	
		Chair
		Member

Sustainable Technologies: AAS 070 & Cert 0H80

		Member
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Sustainable Technologies: AAS 070 & Cert 0H80

Program Review. Items from the program review will be entered here. *After this program review is complete and approved, transfer (paste and copy) the items below to your FY 2016 Operational Plan.*

** Use the origination code PR 2015.*

Origination Code*	Date Activity was Added to this OP (MM/DD/YYYY)	Name(s) of Individual(s) Responsible	Description/Purpose/Justification of Proposed Activity	Goal/Desired Result from Activity (measurable and under department's control)	Target Completion Date for This Activity (MM/DD/YYYY)	Actual Results from this Activity	Actual Completion Date for this Activity (MM/DD/YYYY)
Comments:							

CTE PROGRAM REVIEW SUMMARY REPORT

Required ICCB Program Review Report

Sauk Valley Community College (506)

Academic Year 2014 - 2015

Program Identification Information (only one CIP per template)

6-digit CIP	15.0503
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Career Cluster	Career Pathway
Engineering Technologies and Engineering-Related Fields.	Environmental Control Technologies/Technicians

Program of Study	SVCC's Program Title
Energy Management and Systems Technology/Technician	Sustainable Technologies, A.A.S. 070

Degree or Certificate Type	Check only one
03 – AAS	X
20 – Occupational Certificate of 30-50 credits	
30 – Occupational Certificate of 29 or less credits	

SVCC Action

Possible Actions	Check only one
Continued with minor improvements	<input type="checkbox"/>
Significantly modified	<input type="checkbox"/>
Discontinued/Eliminated	<input type="checkbox"/>
Placed on inactive status	<input type="checkbox"/>
Scheduled for further review	Scheduled for review in 2016 <input type="checkbox"/>
Other, please specify:	<input type="checkbox"/>

Need, cost-effectiveness & quality. Create a short summary paragraph for each question below.

<p><i>Need: Is program enrollment sufficient to justify this program? Are the majority of students in this program completing degrees or certificates? Are the students within this program marketable and employable?</i></p> <p>Sustainable Technologies enrollment is not sufficient to justify the program. Local industry has not provided any positive feedback regarding the need for a renewable energy degree. Only one employer has indicated a need for sustainable technologies technicians and they indicate that they would not hire a tech unless they also had the multicraft degree </p> <p><i>Cost-effectiveness: Is the program cost effective? Does the program require additional resources?</i></p> <p>The program is not cost-effective due to low enrollment. The program does not have the faculty required to attempt to grow the program. </p>

Sustainable Technologies: AAS 070 & Cert 0H80

Quality: Describe any program improvements since the last program review. What steps need to be taken to update or improve instruction or the program as a whole? How does the program work with local businesses to meet their needs? How does the program faculty remain up-to-date with their professional training and/or certification?

Instructors have attended training in the field. The field has not grown in the local area as anticipated.

CTE PROGRAM REVIEW SUMMARY REPORT

Required ICCB Program Review Report

Sauk Valley Community College (506)

Academic Year 2014 - 2015

Program Identification Information (only one CIP per template)

6-digit CIP	15.0505
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Career Cluster	Career Pathway
Environmental Control Technologies/Technicians	Solar Energy Technology/Technician

Program of Study	SVCC's Program Title
Solar Energy	Solar Energy; Certificate H80

Degree or Certificate Type	Check only one
03 – AAS	
20 – Occupational Certificate of 30-50 credits	X
30 – Occupational Certificate of 29 or less credits	

SVCC Action

Possible Actions	Check only one
Continued with minor improvements	<input type="checkbox"/>
Significantly modified	<input type="checkbox"/>
Discontinued/Eliminated	<input type="checkbox"/>
Placed on inactive status	<input type="checkbox"/>
Scheduled for further review	Review scheduled for 2016 <input type="checkbox"/>
Other, please specify:	<input type="checkbox"/>

Need, cost-effectiveness & quality. Create a short summary paragraph for each question below.

<p><i>Need: Is program enrollment sufficient to justify this program? Are the majority of students in this program completing degrees or certificates? Are the students within this program marketable and employable?</i></p> <p>Solar Energy enrollment is not sufficient to justify the program. Local industry has not provided any positive feedback regarding the need for solar energy technicians.</p> <p><i>Cost-effectiveness: Is the program cost effective? Does the program require additional resources?</i></p> <p>The program is not cost-effective due to low enrollment</p> <p><i>Quality: Describe any program improvements since the last program review. What steps need to be taken to update or improve instruction or the program as a whole? How does the program work with local businesses to meet their needs? How does the program faculty remain up-to-date with their professional training and/or certification?</i></p>
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Instructors have attended training in the field. The field has not grown in the local area as anticipated

Sustainable Technologies: AAS 070 & Cert 0H80

Program Review Committee Recommendations	
This Program Review is considered complete.	<input checked="" type="checkbox"/>
The following are the recommendations from the Program Review Committee: The Program Review Committee recommends the following for the Sustainable Technology degree (A.A.S. 070) and Solar Energy certificate (0H80). The Committee believes that the degree and certificate are not sustainable long-term. In lieu of eliminating the programs entirely, and in order to strengthen the HVAC program, the Program Review Committee believes that a consolidation of Sustainable Technology and HVAC programs would help pool resources and strengthen the HVAC program long-term while preserving portions of the sustainable technology program. The following steps are recommended: a. Continue to offer the necessary program courses for the current Sustainable Technology degree and Solar Energy certificate for ONE year (FY 2016). After one year, the program would be deactivated before the beginning of the fall semester of 2016. This will allow any current students enough time to complete their degree or change majors if necessary. b. Reorganize the current HVAC program to include two or three sustainable technology classes. It would be necessary to remove the same number of courses from the HVAC program in order to keep the program load the same. ICCB information would need to be submitted by December, 2015 with the goal of beginning the "new" program by fall of 2016. c. Rename the HVAC program to better market and describe the "new" program. For example, HVAC and Green Technology was given as an example. d. The two or three sustainable technology classes that were included within the new HVAC program would be included within the Solar Energy certificate which would require a restructuring of the certificate. The certificate would be marketed as a way to provide additional training to those already in the industry. This "new" certificate would need to be renamed to best suit its new goal. This paperwork would need to be completed by December of 2015 so that the new certificate would be available for fall of 2016.	
Signature of the Program Review Committee Chair	Dr. Steve Nunez

Dean of Academics and Student Services Recommendations	
The Program Review has been reviewed.	<input type="checkbox"/>
The following are the recommendations from the Dean: 	

Sustainable Technologies: AAS 070 & Cert 0H80

Dean's Signature/Date	Dr. Jon Mandrell

President's Recommendation	
The Program Review has been reviewed.	
The following are the recommendations from the President: 	
President's Signature/Date	Dr. George Mihel