

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

WHY DO A PROGRAM REVIEW?

As a part of accreditation, the Higher Learning Commission (HLC) requires institutions to have an established process to regularly review all programs. Each institution is allowed the latitude to develop and administer a review process that is suited to the institution’s unique circumstances and needs.

The Illinois Community College Board (ICCB) requires all instructional programs and all student and academic support services to conduct a program review at least once every five years. The program review process should...

- Examine the need for the program, its quality, and its cost of operation.
- Involve employees of the unit as well as individuals not employed in the unit.
- Examine current information and data.
- Produce results that are considered in campus planning, quality improvements, and budget allocation decisions.

The College’s annual *Program Review Report* to the ICCB comes directly from the approved program reviews.

The purpose of Sauk’s program review process is to promote continuous improvement and to link those improvements to other internal processes, including curriculum development, assessment, budgeting, facility planning, and to the strategic plan through operational plans. Information provided in program reviews will be used in internal reports, reports to other agencies, and for institutional planning.

TIMELINE

April/May	Units informed that they are scheduled to conduct a program review in the fall
Beginning of the fall semester	Program review orientation sessions conducted
Fall semester	Units conduct their program reviews
December 1	Program reviews are due
Early Spring semester	Unit’s administrator and the Program Review Committee will consider program reviews, request revisions, and approve final reviews
April 1	Equipment Requests, Personnel Change Requests, and Major Project Requests from <u>approved</u> program reviews, will be forwarded for consideration in the budget allocation process
End of spring semester	Instructional units submit next year’s operational plans, including all activities identified in the program review
Early July	Student and academic support services submit next year’s operational plans, including all activities identified in the program review

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INSTRUCTIONS

- The program review is to be conducted by a team of 5 to 10 individuals recommended from the following:
 - Department/unit staff and administrator
 - Employees not part of the department
 - 1 or 2 students
 - Community members and/or industry representatives who are not SVCC employees
- Use this document as a template. Do not use alternate formats.
- Complete all items on all pages
- Use past *Operational Plans* as resources
- The ICCB Best Practices Report may describe the entire unit or a specific practice. *This is the only optional component* of the program review
- Insert the names of the program review team on the SIGNATURES AND APPROVAL page
- Complete any appropriate request forms:
 - Equipment Request
 - Personnel Change Request
 - Major Project Request
 - Request forms are available in *FAST* under *Documents and Forms*
 - Requests will be forwarded to the budget allocation process, *after all program review revisions have been submitted and the review has been approved by the Program Review Committee*. The requests will not be forwarded to the budgeting process until the Committee informs the unit that the review has been approved.
- The approval process:
 - Submission of the review alone does not constitute approval
 - The Program Review Committee may request additional analysis, clarification, or information, and will not approve the review until it is satisfied that its requests have been addressed
 - Reviews must be *approved by April 1* for requests to be forwarded for budgetary consideration
 - The program administrator may request a meeting to discuss the review and/or request modifications, and approves the review after the Committee approves it
 - The President provides the final approval of every review

QUESTIONS: Contact the Program Review Committee Chair, Janet Lynch, with any questions regarding your program review.

HOW to SUBMIT the PROGRAM REVIEW

- Program reviews are due on December 1
- The program review, appropriate request documents, and any other support documents should be submitted as an e-mail attachment to:
 - The program's immediate administrative supervisor (dean or vice president), *and*
 - The chair of the Program Review Committee, Janet Lynch.
- A printed copy of the review *is not required*, and is discouraged.
- A printed copy of the SIGNATURES AND APPROVAL page, with signatures from all team members, should be sent to the Program Review Committee chair, Janet Lynch.

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ALIGNMENT WITH THE COLLEGE MISSION

College Mission *Tells who we are as an institution and what we do*
SAUK VALLEY COMMUNITY COLLEGE is an institution of higher education that provides quality learning opportunities to meet the diverse needs of its students and community.

College Vision *Tells where we want to go as an institution*
SAUK VALLEY COMMUNITY COLLEGE will be recognized as a benchmark institution of higher education that provides exceptional learning opportunities in response to the diverse needs of its students and community.

Program Mission
The Computer Information Systems department will provide students with the opportunity to become employable in the Computer Information Systems field; or successful in further Computer Information Systems education through the acquisition of necessary skills and knowledge.

Part 1: PREVIOUS PROGRAM REVIEW

The previous program review should be studied in conjunction with this review

1. Was the previous program review studied?
 Yes
 No
2. Were the plans identified in the previous program review carried out?
 Yes, skip to question #4
 No, continue with question #3
3. Why were plans *not completed*?
Most plans were completed. A summary of the goals/objectives from the 2006 review, including outcomes for each point, is attached as **Appendix A**
4. What innovations have been introduced since the previous program review?
New class: CIS 136. Intro to Photo Editing Software. Rewritten class: CIS 121. Intro to JavaScript.
New program introduced (at ICCB for approval): AAS: Windows Server Administrator

Part 2: VIABILITY COMPONENT

The viability component focuses on quantitative analysis and the need for the program(s)

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ENROLLMENT & COMPLETIONS

DATA TABLE 1: Course Enrollment						Discipline Group:	Computer Science
Tutorials not included. Honors students included. Honors sections not included.							
Row		FY07	FY08	FY09	FY10	FY11	5 Year Total
a	Total Sections Offered	139	114	96	90	73	512
b	Total Enrollment at 10th day	951	895	791	740	544	3921
c	Average enrollment for all sections offered at 10th day	6.8	7.9	8.2	8.2	7.5	7.7
d	Proportion of successful completions (A,B,C or P)	78.4%	76.1%	74.2%	72.6%	67.1%	73.7%
e	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	88.7%	83.8%	86.6%	83.9%	83.6%	85.3%
f	Course	CIS 101	CIS 101	CIS 101	CIS 101	CIS 101	
g	Sections	3	3	3	2	2	13
h	Enrollment at 10th day	42	35	33	35	23	168
i	Average enrollment per section at 10th day	14.0	11.7	11.0	17.5	11.5	12.9
j	Proportion of successful completions (A,B,C or P)	69.0%	57.1%	72.7%	45.7%	39.1%	56.7%
k	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	85.7%	71.4%	87.9%	57.1%	78.3%	76.1%
l	Course	CIS 105	CIS 105	CIS 105	CIS 105	CIS 105	
m	Sections	0	0	0	0	0	0
n	Enrollment at 10th day	0	0	0	0	0	0
o	Average enrollment per section at 10th day	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
p	Proportion of successful completions (A,B,C or P)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
q	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
r	Course	CIS 106	CIS 106	CIS 106	CIS 106	CIS 106	
s	Sections	1	2	2	2	2	9
t	Enrollment at 10th day	16	22	26	17	14	95
u	Average enrollment per section at 10th day	16.0	11.0	13.0	8.5	7.0	10.6
v	Proportion of successful completions (A,B,C or P)	75.0%	72.7%	61.5%	64.7%	64.3%	67.6%
w	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	81.3%	86.4%	88.5%	94.1%	71.4%	84.3%

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x	Course	CIS 108	CIS 108	CIS 108	CIS 108	CIS 108	
y	Sections	2	2	1	1	1	7
z	Enrollment at 10th day	11	10	6	7	6	40
aa	Average enrollment per section at 10th day	5.5	5.0	6.0	7.0	6.0	5.7
ab	Proportion of successful completions (A,B,C or P)	63.6%	90.0%	50.0%	85.7%	66.7%	71.2%
ac	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	72.7%	90.0%	100.0%	85.7%	66.7%	83.0%
ad	Course	CIS 109	CIS 109	CIS 109	CIS 109	CIS 109	
ae	Sections	23	19	18	16	13	89
af	Enrollment at 10th day	311	288	273	284	255	1411
ag	Average enrollment per section at 10th day	13.5	15.2	15.2	17.8	19.6	15.9
ah	Proportion of successful completions (A,B,C or P)	72.7%	71.2%	63.4%	60.6%	58.4%	65.3%
ai	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	84.6%	81.6%	80.6%	78.5%	85.5%	82.2%
aj	Course	CIS 117	CIS 117	CIS 117	CIS 117	CIS 117	
ak	Sections	3	2	2	2	2	11
al	Enrollment at 10th day	31	31	18	21	20	121
am	Average enrollment per section at 10th day	10.3	15.5	9.0	10.5	10.0	11.0
an	Proportion of successful completions (A,B,C or P)	90.3%	64.5%	83.3%	66.7%	75.0%	76.0%
ao	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	100.0%	80.6%	100.0%	81.0%	75.0%	87.3%
ap	Course	CIS 119	CIS 119	CIS 119	CIS 119	CIS 119	
aq	Sections	3	1	1	1	1	7
ar	Enrollment at 10th day	13	5	9	4	1	32
as	Average enrollment per section at 10th day	4.3	5.0	9.0	4.0	1.0	4.6
at	Proportion of successful completions (A,B,C or P)	84.6%	60.0%	77.8%	100.0%	100.0%	84.5%
au	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	92.3%	60.0%	77.8%	100.0%	100.0%	86.0%
av	Course	CIS 121	CIS 121	CIS 121	CIS 121	CIS 121	
aw	Sections	0	0	1	0	0	1
ax	Enrollment at 10th day	0	0	1	0	0	1
ay	Average enrollment per section at 10th day	#DIV/0	#DIV/0	1.0	#DIV/0!	#DIV/0	1.0
az	Proportion of successful completions (A,B,C or P)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
ba	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

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bb	Course	CIS 122	CIS 122	CIS 122	CIS 122	CIS 122	
bc	Sections	5	3	3	3	3	17
bd	Enrollment at 10th day	20	30	16	18	16	100
be	Average enrollment per section at 10th day	4.0	10.0	5.3	6.0	5.3	5.9
bf	Proportion of successful completions (A,B,C or P)	50.0%	73.3%	50.0%	55.6%	43.8%	54.5%
bg	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	50.0%	73.3%	62.5%	61.1%	43.8%	58.1%
bh	Course	CIS 124	CIS 124	CIS 124	CIS 124	CIS 124	
bi	Sections	0	0	0	0	0	0
bj	Enrollment at 10th day	0	0	0	0	0	0
bk	Average enrollment per section at 10th day	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
bl	Proportion of successful completions (A,B,C or P)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
bm	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
bn	Course	CIS 130	CIS 130	CIS 130	CIS 130	CIS 130	
bo	Sections	2	3	1	0	0	6
bp	Enrollment at 10th day	10	8	9	0	1	28
bq	Average enrollment per section at 10th day	5.0	2.7	9.0	#DIV/0!	!	4.7
br	Proportion of successful completions (A,B,C or P)	70.0%	87.5%	88.9%	0.0%	100.0%	86.6%
bs	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	90.0%	100.0%	88.9%	0.0%	100.0%	94.7%
bt	Course	CIS 135	CIS 135	CIS 135	CIS 135	CIS 135	
bu	Sections	3	1	2	2	3	11
bv	Enrollment at 10th day	6	1	2	2	4	15
bw	Average enrollment per section at 10th day	2.0	1.0	1.0	1.0	1.3	1.4
bx	Proportion of successful completions (A,B,C or P)	83.3%	100.0%	100.0%	100.0%	100.0%	96.7%
by	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	83.3%	100.0%	100.0%	100.0%	100.0%	96.7%
bz	Course	CIS 136	CIS 136	CIS 136	CIS 136	CIS 136	
ca	Sections	0	0	0	1	1	2
cb	Enrollment at 10th day	0	0	0	12	3	15
cc	Average enrollment per section at 10th day	#DIV/0!	#DIV/0!	#DIV/0!	12.0	3.0	7.5
cd	Proportion of successful completions (A,B,C or P)	0.0%	0.0%	0.0%	58.3%	33.3%	45.8%
ce	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	0.0%	0.0%	0.0%	66.7%	33.3%	50.0%

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cf	Course	CIS 137	CIS 137	CIS 137	CIS 137	CIS 137	
cg	Sections	6	6	4	5	5	26
ch	Enrollment at 10th day	14	10	13	10	11	58
ci	Average enrollment per section at 10th day	2.3	1.7	3.3	2.0	2.2	2.2
cj	Proportion of successful completions (A,B,C or P)	100.0%	90.0%	100.0%	80.0%	90.9%	92.2%
ck	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	100.0%	90.0%	100.0%	90.0%	90.9%	94.2%
cl	Course	CIS 138	CIS 138	CIS 138	CIS 138	CIS 138	
cm	Sections	4	3	5	5	5	22
cn	Enrollment at 10th day	11	6	13	7	9	46
co	Average enrollment per section at 10th day	2.8	2.0	2.6	1.4	1.8	2.1
cp	Proportion of successful completions (A,B,C or P)	100.0%	66.7%	84.6%	85.7%	77.8%	83.0%
cq	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	100.0%	66.7%	84.6%	85.7%	77.8%	83.0%
cr	Course	CIS 139	CIS 139	CIS 139	CIS 139	CIS 139	
cs	Sections	3	3	4	3	4	17
ct	Enrollment at 10th day	5	4	6	6	5	26
cu	Average enrollment per section at 10th day	1.7	1.3	1.5	2.0	1.3	1.5
cv	Proportion of successful completions (A,B,C or P)	100.0%	75.0%	83.3%	50.0%	80.0%	77.7%
cw	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	100.0%	75.0%	83.3%	66.7%	80.0%	81.0%
cx	Course	CIS 146	CIS 146	CIS 146	CIS 146	CIS 146	
cy	Sections	0	0	0	0	0	0
cz	Enrollment at 10th day	0	0	0	0	0	0
da	Average enrollment per section at 10th day	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
db	Proportion of successful completions (A,B,C or P)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
dc	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
dd	Course	CIS 147	CIS 147	CIS 147	CIS 147	CIS 147	
de	Sections	0	0	0	0	0	0
df	Enrollment at 10th day	0	0	0	0	0	0
dg	Average enrollment per section at 10th day	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
dh	Proportion of successful completions (A,B,C or P)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
di	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

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dj	Course	CIS 148	CIS 148	CIS 148	CIS 148	CIS 148	
dk	Sections	2	1	1	1	1	6
dl	Enrollment at 10th day	9	8	2	5	5	29
dm	Average enrollment per section at 10th day	4.5	8.0	2.0	5.0	5.0	4.8
dn	Proportion of successful completions (A,B,C or P)	77.8%	87.5%	50.0%	80.0%	60.0%	71.1%
do	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	100.0%	100.0%	50.0%	100.0%	80.0%	86.0%
dp	Course	CIS 150	CIS 150	CIS 150	CIS 150	CIS 150	
dq	Sections	2	1	1	1	1	6
dr	Enrollment at 10th day	18	12	12	10	15	67
ds	Average enrollment per section at 10th day	9.0	12.0	12.0	10.0	15.0	11.2
dt	Proportion of successful completions (A,B,C or P)	33.3%	58.3%	58.3%	30.0%	40.0%	44.0%
du	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	77.8%	66.7%	83.3%	50.0%	60.0%	67.6%
dv	Course	CIS 151	CIS 151	CIS 151	CIS 151	CIS 151	
dw	Sections	1	4	3	3	0	11
dx	Enrollment at 10th day	21	50	37	32	0	140
dy	Average enrollment per section at 10th day	21.0	12.5	12.3	10.7	#DIV/0!	12.7
dz	Proportion of successful completions (A,B,C or P)	95.2%	86.0%	83.8%	93.8%	0.0%	89.7%
ea	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	95.2%	92.0%	83.8%	93.8%	0.0%	91.2%
eb	Course	CIS 152	CIS 152	CIS 152	CIS 152	CIS 152	
ec	Sections	2	4	1	2	1	10
ed	Enrollment at 10th day	13	16	14	17	12	72
ef	Average enrollment per section at 10th day	6.5	4.0	14.0	8.5	12.0	7.2
eg	Proportion of successful completions (A,B,C or P)	92.3%	93.8%	100.0%	94.1%	91.7%	94.4%
eh	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	92.3%	93.8%	100.0%	100.0%	91.7%	95.6%
ei	Course	CIS 154	CIS 154	CIS 154	CIS 154	CIS 154	
ej	Sections	1	1	1	2	1	6
ek	Enrollment at 10th day	13	13	14	16	11	67
el	Average enrollment per section at 10th day	13.0	13.0	14.0	8.0	11.0	11.2
em	Proportion of successful completions (A,B,C or P)	84.6%	100.0%	100.0%	93.8%	81.8%	92.0%
en	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	92.3%	100.0%	100.0%	100.0%	90.9%	96.6%

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eo	Course	CIS 156	CIS 156	CIS 156	CIS 156	CIS 156	
ep	Sections	1	1	1	2	1	6
eq	Enrollment at 10th day	10	10	13	13	8	54
er	Average enrollment per section at 10th day	10.0	10.0	13.0	6.5	8.0	9.0
es	Proportion of successful completions (A,B,C or P)	100.0%	90.0%	100.0%	92.3%	75.0%	91.5%
et	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
eu	Course	CIS 158	CIS 158	CIS 158	CIS 158	CIS 158	
ev	Sections	1	1	1	2	1	6
ew	Enrollment at 10th day	10	10	13	12	7	52
ex	Average enrollment per section at 10th day	10.0	10.0	13.0	6.0	7.0	8.7
ey	Proportion of successful completions (A,B,C or P)	100.0%	80.0%	92.3%	83.3%	100.0%	91.1%
ez	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	100.0%	100.0%	92.3%	100.0%	100.0%	98.5%
fa	Course	CIS 160	CIS 160	CIS 160	CIS 160	CIS 160	
fb	Sections	4	3	1	1	1	10
fc	Enrollment at 10th day	13	10	6	1	2	32
fd	Average enrollment per section at 10th day	3.3	3.3	6.0	1.0	2.0	3.2
fe	Proportion of successful completions (A,B,C or P)	69.2%	70.0%	66.7%	100.0%	100.0%	81.2%
ff	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	76.9%	90.0%	83.3%	100.0%	100.0%	90.0%
fg	Course	CIS 162	CIS 162	CIS 162	CIS 162	CIS 162	
fh	Sections	1	1	1	1	0	4
fi	Enrollment at 10th day	12	14	7	9	0	42
fj	Average enrollment per section at 10th day	12.0	14.0	7.0	9.0	#DIV/0!	10.5
fk	Proportion of successful completions (A,B,C or P)	66.7%	78.6%	42.9%	88.9%	0.0%	69.3%
fl	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	83.3%	85.7%	85.7%	100.0%	0.0%	88.7%
fm	Course	CIS 164	CIS 164	CIS 164	CIS 164	CIS 164	
fn	Sections	1	1	1	0	0	3
fo	Enrollment at 10th day	6	11	4	0	0	21
fp	Average enrollment per section at 10th day	6.0	11.0	4.0	#DIV/0!	#DIV/0!	7.0
fq	Proportion of successful completions (A,B,C or P)	100.0%	90.9%	100.0%	0.0%	0.0%	97.0%
fr	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	100.0%	90.9%	100.0%	0.0%	0.0%	97.0%

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fs	Course	CIS 167	CIS 167	CIS 167	CIS 167	CIS 167	
ft	Sections	0	0	0	0	1	1
fu	Enrollment at 10th day	0	0	0	0	12	12
fv	Average enrollment per section at 10th day	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	12.0	12.0
fw	Proportion of successful completions (A,B,C or P)	0.0%	0.0%	0.0%	0.0%	91.7%	91.7%
fx	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	0.0%	0.0%	0.0%	0.0%	91.7%	91.7%
fy	Course	CIS 168	CIS 168	CIS 168	CIS 168	CIS 168	
fz	Sections	4	5	4	3	0	16
ga	Enrollment at 10th day	40	41	35	33	0	149
gb	Average enrollment per section at 10th day	10.0	8.2	8.8	11.0	#DIV/0!	9.3
gc	Proportion of successful completions (A,B,C or P)	97.5%	92.7%	97.1%	97.0%	0.0%	96.1%
gd	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	100.0%	92.7%	97.1%	97.0%	0.0%	96.7%
ge	Course	CIS 169	CIS 169	CIS 169	CIS 169	CIS 169	
gf	Sections	4	3	3	3	0	13
gh	Enrollment at 10th day	40	38	39	33	0	150
gi	Average enrollment per section at 10th day	10.0	12.7	13.0	11.0	#DIV/0!	11.5
gj	Proportion of successful completions (A,B,C or P)	97.5%	73.7%	97.4%	93.9%	0.0%	90.6%
gk	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	100.0%	73.7%	97.4%	93.9%	0.0%	91.3%
gl	Course	CIS 180	CIS 180	CIS 180	CIS 180	CIS 180	
gm	Sections	0	0	0	1	1	2
gn	Enrollment at 10th day	0	0	2	10	4	16
go	Average enrollment per section at 10th day	#DIV/0!	#DIV/0!	#DIV/0!	10.0	4.0	8.0
gp	Proportion of successful completions (A,B,C or P)	0.0%	0.0%	100.0%	90.0%	75.0%	88.3%
gq	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	0.0%	0.0%	100.0%	90.0%	75.0%	88.3%
gr	Course	CIS 182	CIS 182	CIS 182	CIS 182	CIS 182	
gs	Sections	2	2	2	1	1	8
gt	Enrollment at 10th day	18	30	22	10	8	88
gu	Average enrollment per section at 10th day	9.0	15.0	11.0	10.0	8.0	11.0
gv	Proportion of successful completions (A,B,C or P)	55.6%	56.7%	36.4%	60.0%	75.0%	56.7%
gw	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	77.8%	73.3%	72.7%	70.0%	87.5%	76.3%

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gx	Course	CIS 185	CIS 185	CIS 185	CIS 185	CIS 185	
gy	Sections	2	3	2	2	1	10
gz	Enrollment at 10th day	10	16	12	9	3	50
ha	Average enrollment per section at 10th day	5.0	5.3	6.0	4.5	3.0	5.0
hb	Proportion of successful completions (A,B,C or P)	50.0%	56.3%	33.3%	77.8%	33.3%	50.1%
hc	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	50.0%	56.3%	50.0%	100.0%	66.7%	64.6%
hd	Course	CIS 203	CIS 203	CIS 203	CIS 203	CIS 203	
he	Sections	2	4	1	1	0	8
hf	Enrollment at 10th day	23	21	2	1	0	47
hg	Average enrollment per section at 10th day	11.5	5.3	2.0	1.0	#DIV/0!	5.9
hh	Proportion of successful completions (A,B,C or P)	65.2%	90.5%	100.0%	100.0%	0.0%	88.9%
hi	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	69.6%	90.5%	100.0%	100.0%	0.0%	90.0%
hj	Course	CIS 204	CIS 204	CIS 204	CIS 204	CIS 204	
hk	Sections	1	0	0	0	0	1
hl	Enrollment at 10th day	1	0	0	0	0	1
hm	Average enrollment per section at 10th day	1.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1.0
hn	Proportion of successful completions (A,B,C or P)	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
ho	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
hp	Course	CIS 205	CIS 205	CIS 205	CIS 205	CIS 205	
hq	Sections	0	0	0	0	0	0
hr	Enrollment at 10th day	0	0	0	0	0	0
hs	Average enrollment per section at 10th day	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
ht	Proportion of successful completions (A,B,C or P)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
hu	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
hv	Course	CIS 206	CIS 206	CIS 206	CIS 206	CIS 206	
hw	Sections	0	0	0	0	0	0
hx	Enrollment at 10th day	4	0	3	0	0	7
hy	Average enrollment per section at 10th day	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
hz	Proportion of successful completions (A,B,C or P)	100.0%	0.0%	100.0%	0.0%	0.0%	100.0%
ia	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	100.0%	0.0%	100.0%	0.0%	0.0%	100.0%

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ib	Course	CIS 207	CIS 207	CIS 207	CIS 207	CIS 207	
ic	Sections	2	2	1	1	1	7
id	Enrollment at 10th day	8	12	10	6	9	45
ie	Average enrollment per section at 10th day	4.0	6.0	10.0	6.0	9.0	6.4
if	Proportion of successful completions (A,B,C or P)	100.0%	58.3%	70.0%	50.0%	66.7%	69.0%
ig	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	100.0%	66.7%	100.0%	66.7%	88.9%	84.5%
ih	Course	CIS 208	CIS 208	CIS 208	CIS 208	CIS 208	
ii	Sections	1	1	1	1	0	4
ij	Enrollment at 10th day	4	2	3	5	0	14
ik	Average enrollment per section at 10th day	4.0	2.0	3.0	5.0	#DIV/0!	3.5
il	Proportion of successful completions (A,B,C or P)	100.0%	100.0%	100.0%	60.0%	0.0%	90.0%
im	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	100.0%	100.0%	100.0%	80.0%	0.0%	95.0%
in	Course	CIS 214	CIS 214	CIS 214	CIS 214	CIS 214	
io	Sections	2	2	1	1	1	7
ip	Enrollment at 10th day	8	9	7	5	2	31
iq	Average enrollment per section at 10th day	4.0	4.5	7.0	5.0	2.0	4.4
ir	Proportion of successful completions (A,B,C or P)	75.0%	77.8%	85.7%	80.0%	50.0%	73.7%
is	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	100.0%	88.9%	100.0%	100.0%	50.0%	87.8%
it	Course	CIS 220	CIS 220	CIS 220	CIS 220	CIS 220	
iu	Sections	5	4	3	4	5	21
iv	Enrollment at 10th day	7	14	16	12	12	61
iw	Average enrollment per section at 10th day	1.4	3.5	5.3	3.0	2.4	2.9
ix	Proportion of successful completions (A,B,C or P)	100.0%	78.6%	75.0%	91.7%	100.0%	89.1%
iy	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	100.0%	78.6%	81.3%	91.7%	100.0%	90.3%
iz	Course	CIS 220	CIS 220	CIS 220	CIS 220	CIS 220	
ja	Sections						0
jb	Enrollment at 10th day						0
jc	Average enrollment per section at 10th day	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
jd	Proportion of successful completions (A,B,C or P)						#DIV/0!
je	Persistence Rate completions (A,B,C,D,F,P,Q, or I)						#DIV/0!

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jf	Course	CIS 222	CIS 222	CIS 222	CIS 222	CIS 222	
jg	Sections	0	0	0	0	0	0
jh	Enrollment at 10th day	0	0	0	0	0	0
ji	Average enrollment per section at 10th day	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
jj	Proportion of successful completions (A,B,C or P)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
jk	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
jl	Course	CIS 224	CIS 224	CIS 224	CIS 224	CIS 224	
jm	Sections	0	0	0	0	0	0
jn	Enrollment at 10th day	0	0	0	0	0	0
jo	Average enrollment per section at 10th day	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
jp	Proportion of successful completions (A,B,C or P)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
jq	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
jr	Course	CIS 229	CIS 229	CIS 229	CIS 229	CIS 229	
js	Sections	3	3	1	1	0	8
jt	Enrollment at 10th day	11	13	6	7	0	37
ju	Average enrollment per section at 10th day	3.7	4.3	6.0	7.0	#DIV/0!	4.6
jv	Proportion of successful completions (A,B,C or P)	45.5%	61.5%	83.3%	85.7%	0.0%	69.0%
jw	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	81.8%	84.6%	100.0%	85.7%	0.0%	88.0%
jx	Course	CIS 231	CIS 231	CIS 231	CIS 231	CIS 231	
jy	Sections	0	0	0	0	0	0
jz	Enrollment at 10th day	0	0	0	0	0	0
ka	Average enrollment per section at 10th day	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
kb	Proportion of successful completions (A,B,C or P)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
kc	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
kd	Course	CIS 232	CIS 232	CIS 232	CIS 232	CIS 232	
ke	Sections	0	0	0	0	0	0
kf	Enrollment at 10th day	0	0	0	0	0	0
kg	Average enrollment per section at 10th day	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
kh	Proportion of successful completions (A,B,C or P)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
ki	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

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kj	Course	CIS 234	CIS 234	CIS 234	CIS 234	CIS 234	
kk	Sections	1	1	1	0	0	3
kl	Enrollment at 10th day	1	7	3	0	0	11
km	Average enrollment per section at 10th day	1.0	7.0	3.0	#DIV/0!	#DIV/0!	3.7
kn	Proportion of successful completions (A,B,C or P)	100.0%	85.7%	100.0%	0.0%	0.0%	95.2%
ko	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	100.0%	85.7%	100.0%	0.0%	0.0%	95.2%
kp	Course	CIS 235	CIS 235	CIS 235	CIS 235	CIS 235	
kq	Sections	0	0	0	0	0	0
kr	Enrollment at 10th day	0	0	0	0	0	0
ks	Average enrollment per section at 10th day	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
kt	Proportion of successful completions (A,B,C or P)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
ku	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
kv	Course	CIS 236	CIS 236	CIS 236	CIS 236	CIS 236	
kx	Sections	0	0	0	0	0	0
ky	Enrollment at 10th day	0	0	0	0	0	0
kz	Average enrollment per section at 10th day	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
la	Proportion of successful completions (A,B,C or P)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
lb	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
lb	Course	CIS 244	CIS 244	CIS 244	CIS 244	CIS 244	
lc	Sections	2	1	1	1	1	6
ld	Enrollment at 10th day	3	2	1	0	1	7
le	Average enrollment per section at 10th day	1.5	2.0	1.0	0.0	1.0	1.2
lf	Proportion of successful completions (A,B,C or P)	100.0%	100.0%	100.0%	0.0%	100.0%	100.0%
lg	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	100.0%	100.0%	100.0%	0.0%	100.0%	100.0%
lh	Course	CIS 245	CIS 245	CIS 245	CIS 245	CIS 245	
li	Sections	2	1	1	0	1	5
lj	Enrollment at 10th day	2	2	1	0	1	6
lk	Average enrollment per section at 10th day	1.0	2.0	1.0	#DIV/0!	1.0	1.2
ll	Proportion of successful completions (A,B,C or P)	100.0%	100.0%	0.0%	0.0%	100.0%	100.0%
lm	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	100.0%	100.0%	0.0%	0.0%	100.0%	100.0%

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ln	Course	CIS 246	CIS 246	CIS 246	CIS 246	CIS 246	
lo	Sections	2	1	0	0	0	3
lp	Enrollment at 10th day	3	2	0	0	0	5
lq	Average enrollment per section at 10th day	1.5	2.0	#DIV/0!	#DIV/0!	#DIV/0!	1.7
lr	Proportion of successful completions (A,B,C or P)	100.0%	100.0%	0.0%	0.0%	0.0%	100.0%
ls	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	100.0%	100.0%	0.0%	0.0%	0.0%	100.0%
lt	Course	CIS 250	CIS 250	CIS 250	CIS 250	CIS 250	
lu	Sections	1	4	5	3	3	16
lv	Enrollment at 10th day	7	16	23	14	14	74
lw	Average enrollment per section at 10th day	7.0	4.0	4.6	4.7	4.7	4.6
lx	Proportion of successful completions (A,B,C or P)	100.0%	62.5%	73.9%	100.0%	92.9%	85.9%
ly	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	100.0%	75.0%	87.0%	100.0%	92.9%	91.0%
lz	Course	CIS 252	CIS 252	CIS 252	CIS 252	CIS 252	
ma	Sections	0	0	0	0	0	0
mb	Enrollment at 10th day	4	5	5	5	4	23
mc	Average enrollment per section at 10th day	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
md	Proportion of successful completions (A,B,C or P)	100.0%	80.0%	60.0%	60.0%	100.0%	80.0%
me	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	100.0%	100.0%	100.0%	80.0%	100.0%	96.0%
mf	Course	CIS 254	CIS 254	CIS 254	CIS 254	CIS 254	
mg	Sections	0	0	0	0	0	0
mh	Enrollment at 10th day	4	5	2	4	3	18
mi	Average enrollment per section at 10th day	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
mj	Proportion of successful completions (A,B,C or P)	100.0%	100.0%	100.0%	75.0%	66.7%	88.3%
mk	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	100.0%	100.0%	100.0%	75.0%	66.7%	88.3%
ml	Course	CIS 256	CIS 256	CIS 256	CIS 256	CIS 256	
mm	Sections	0	0	0	1	0	1
mn	Enrollment at 10th day	1	6	4	8	4	23
mo	Average enrollment per section at 10th day	#DIV/0!	#DIV/0!	#DIV/0!	8.0	#DIV/0!	23.0
mp	Proportion of successful completions (A,B,C or P)	100.0%	100.0%	50.0%	87.5%	75.0%	82.5%
mq	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	100.0%	100.0%	100.0%	100.0%	75.0%	95.0%

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mr	Course	CIS 258	CIS 258	CIS 258	CIS 258	CIS 258	
ms	Sections	0	0	0	0	0	0
mt	Enrollment at 10th day	1	8	3	4	4	20
mu	Average enrollment per section at 10th day	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
mv	Proportion of successful completions (A,B,C or P)	100.0%	87.5%	66.7%	75.0%	100.0%	85.8%
mw	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	100.0%	100.0%	100.0%	75.0%	100.0%	95.0%
mx	Course	CIS 260	CIS 260	CIS 260	CIS 260	CIS 260	
my	Sections	1	1	1	0	1	4
mz	Enrollment at 10th day	3	4	3	0	1	11
na	Average enrollment per section at 10th day	3.0	4.0	3.0	#DIV/0!	1.0	2.8
nb	Proportion of successful completions (A,B,C or P)	100.0%	100.0%	100.0%	0.0%	100.0%	100.0%
nc	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	100.0%	100.0%	100.0%	0.0%	100.0%	100.0%
nd	Course	CIS 299	CIS 299	CIS 299	CIS 299	CIS 299	
ne	Sections	28	10	9	8	7	62
nf	Enrollment at 10th day	133	38	42	36	34	283
ng	Average enrollment per section at 10th day	4.8	3.8	4.7	4.5	4.9	4.6
nh	Proportion of successful completions (A,B,C or P)	82.7%	100.0%	100.0%	100.0%	91.2%	94.8%
ni	Persistence Rate completions (A,B,C,D,F,P,Q, or I)	97.0%	100.0%	100.0%	100.0%	91.2%	97.6%

5. Describe the five-year enrollment trends.

Declines in enrollment, and numbers of sections offered have been adjusted to reflect those trends. In response to enrollments (although the notation on the tables we received from the Dean of Institutional Research say that tutorials are not included, they appear to have been included for CIS 256/258 for several semesters), the scheduling of some courses have been switched to once per year vs. once per semester. Several courses on the table above (CIS 137, CIS 138, CIS 139) are in the open lab and therefore always available. Courses such as 146 and 147 are being withdrawn. (A complete list of course being withdrawn is included in Appendix E of this review). We were asked about enrollment in CIS 252-4-6-8: These are second year networking courses. As described in Section 12, not everyone who takes the first year of these classes intends to complete the entire program, or is successful in the first year. This could account for decreased enrollments in the second year courses.

6. Describe the five-year successful *course completion* trends

Completion rates are trending down. Faculty is being more diligent about withdrawing, or counseling students who are underperforming, to withdraw; those actions perhaps account for some of the downward shift. This activity is in lieu of allowing students to remain in the course and then failing them. Formulas in the provided spreadsheet have been adjusted to account for any courses which were not offered in a given year (in the original formulas, the 0% values were counted in averages for completion and persistence; artificially pulling the numbers down). 101 and 109 are the gateway courses for the two disciplines. At least 3 college wide discussions has led to the continuation of no pre-req and no placement testing for

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these courses.

7. Describe the five-year *persistence rate* trends
 Waffling; some years up, some down; over the five-year period, average of 85% with 3 of 5 years at 83%.

8. Describe the efforts to improve the trends (#5, 6, 7 above) conducted since the last program review. Indicate how frequently each effort was conducted during the past five years. Discuss options with students who are struggling or missing work. Use early alert system, direct students to counseling and/or tutoring resources. Keep in communication with coaches and Student Support Services (SSS) through mid-term reports. These activities are ongoing throughout the semester.

9. Describe what will be done to improve the trends (#5, 6, 7 above) during the next five years.
 Continue to encourage students to remain on task. Continue to use college support systems. Anecdotally, students who do not complete or persist withdraw or fail because of time management issues (missing or incomplete work) rather than poor quality work.

10. Summarize the activities identified above in the operational plan (under Goal 1 or 2).
 Indicate below if activities will be included in the operational plan.

Activities will be included in the operational plan.
 Activities will not be included in the operational plan. (ongoing tasks)

DATA TABLE 2: Completion Data		Discipline Group:				Computer Science	
Row		FY07	FY08	FY09	FY10	FY11	5 Year Total
Totals for all Programs in Discipline							
a	Declared majors	55	58	51	54	44	262
b	Number of program completions	7	10	8	7	4	36
c	Average number of Fall & Spring terms to completion	3	3	4	2	5	3
Program: CIS Microcomputer Applications (AAS 0076)							
d	Declared majors	16	16	9	8	9	58
e	Number of program completions	0	2	4	0	1	7
f	Average number of Fall & Spring terms to completion	0	5	4	0	4	3

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Program: CIS Networking Specialist (AAS 0075)							
g	Declared majors	24	21	26	24	24	119
h	Number of program completions	1	3	2	1	2	9
i	Average number of Fall & Spring terms to completion	2	4	3	5	6	4
Program: CIS Management Information System (Cert. 0B40)							
j	Declared majors	0	0	1	3	1	5
k	Number of program completions	0	0	0	1	1	2
l	Average number of Fall & Spring terms to completion	0	0	0	2	4	1
Program: CIS Networking Specialist (Cert. 0B31)							
m	Declared majors	5	5	5	8	3	26
n	Number of program completions	2	2	1	1	0	6
o	Average number of Fall & Spring terms to completion	8	3	2	1	0	3
Program: CIS Networking Professional (Cert. 0B35)							
p	Declared majors	0	2	1	1	0	4
q	Number of program completions	0	0	0	0	0	0
r	Average number of Fall & Spring terms to completion	0	0	0	0	0	0
Program: CIS Networking Administration (Cert. 0B39)							
s	Declared majors	1	2	0	0	0	3
t	Number of program completions	0	1	0	0	0	1
u	Average number of Fall & Spring terms to completion	0	2	0	0	0	0
Program: CIS Microcomputer Application Specialist I (Cert. 0B32)							
v	Declared majors	6	4	3	2	2	17
w	Number of program completions	3	2	0	2	0	7
x	Average number of Fall & Spring terms to completion	2	2	0	2	0	1
Program: CIS Microcomputer Application Specialist II (Cert. 0B36)							
y	Declared majors	2	1	2	2	2	9
z	Number of program completions	1	0	1	1	0	3
aa	Average number of Fall & Spring terms to completion	1	0	3	1	0	1
Program: CIS Web Design (Cert. 0B37)							
ab	Declared majors	1	7	4	6	3	21
ac	Number of program completions	0	0	0	1	0	1
ad	Average number of Fall & Spring terms to completion	0	0	0	3	0	1

PROGRAM: *Computer Science*
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11. Describe the five-year trends pertaining to the number of *declared majors*
Steady for five years; but down in FY 11. With only the one down year, we are not convinced this depicts a trend.

12. Describe the five-year program completion trends

CIS is about average at 13.7%. With networking, students finish the first year and trend away from completing year two. We reviewed the networking course completion rates with our networking instructors. Instructors feel their students may get what they need for employment (or gain employment while in the program) and never complete the second year. For fall of 2012, two courses relating to a specific operating system (Novell) were deleted and two different courses, more general in nature, (CIS 151 – Networking+, and CIS 167 A+ Hardware and Software Installation and Maintenance) were substituted. We expect these changes will make the program more relevant to potential students.

13. Describe what was done to increase the number of declared majors and increase the number of program completions since the last program review. Indicate how frequently each effort was conducted during the past five years.

In addition to informal class discussions with students in our gateway courses (CIS 109; CIS 150), we developed a website explaining our programs and providing links to CS/CIS programs at major Illinois universities, and to job search and job outlook web sites. The website is reviewed annually and updated as needed. An update of the site is on our area FY13 Operational Plan.

14. Describe what will be done to increase the number of declared majors and increase the number of program completions during the next five years.

Our web site needs to be updated to reflect current staff and faculty at SVCC. While links to the course schedule are current, links to the course catalog are not and the site needs to be updated. Informal conversations will continue, and CIS faculty will work to ensure that the department is represented at SVCC College Night. CIS faculty were in attendance at the 2012 Non-Traditional Occupations showcase promoting programs.

15. ***Transfer Classes Only***: Describe any *recurring* problems related to IAI approved courses transferring to universities and what needs to be done to obtain resolution, **OR** if there were not any *recurring* problems, indicate “None.”

None

16. Summarize the activities identified above in the operational plan (under Goal 1 or 2).
Indicate below if activities will be included in the operational plan.

Activities will be included in the operational plan.

Activities will not be included in the operational plan.

NEED FOR PROGRAM

17. ***Career Programs Only*** List any concerns identified in the *Career and Technical Follow-Up Study* and discuss solutions, **OR** if there were no concerns identified, indicate “No concerns.”

No concerns.

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

18. ***Career Programs Only*** Use data from the Illinois Workforce Development System <http://iwds.state.il.us/iwdshome.html> (click on *Consumer Information*, click on *Compare performance...* and enter *Sauk Valley Community College* as the training provider name) which tracks WIA eligible students, to answer the following:

Percent of students who complete the program: _____ %
Percent of students employed after exiting WIA: _____ %
Average starting hourly wage: \$ _____

See attached Appendix B

19. ***Career Programs Only*** Describe the occupational need for the program. Create one or more tables that illustrate the projected occupational demand for program completers using information available at one of the following sources. Include all appropriate job titles:

- a. The Illinois Department of Employment Security at www.ilworkinfo.com, click on *Workforce Info Center*, click on *Industry* under *Labor Market Analysis*, then explore the available links; **OR**
- b. The O*Net Center at <http://www.onetcenter.org>, click on *Find Occupation*, make a selection and then use information from *Wage & Employment Trends* which is located at the very bottom of the page; **OR**
- c. Use any other reputable source (Be sure to cite your data source).

See attached Appendix C

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

PROGRAM FINANCES

DATA TABLE 3: Income and Expense Revenue		Discipline Group: Computer Science					
Tutorials not included. Honors students included. Honors sections not included.							
Row		FY07	FY08	FY09	FY10	FY11	5 Year Total
a	Direct income (Tuition & fees at 10th day)	\$240,363	\$171,982	\$150,000	\$143,371	\$132,750	\$838,466
b	Apportionment (Estimated)	\$128,935	\$112,928	\$90,815	\$84,382	\$63,776	\$480,836
c	Total income (Row a + b)	\$369,298	\$284,910	\$240,815	\$227,753	\$196,526	\$1,319,302
d	Employee expense (Salaries & benefits) ¹	\$208,682	\$194,482	\$164,355	\$152,969	\$136,422	\$856,910
e	Supply expense (Purchases charged to budget supply line & software purchases)	\$2,800	\$1,008	\$3,771	\$21,114	\$1,227	\$29,920
f	Equipment expense (Purchases charged to budget equipment line)	\$0	\$0	\$0	\$0	\$0	\$0
g	Other expense (Any expense that does not fit into the above categories)	\$20,249	\$11,985	\$9,692	\$16,265	\$4,574	\$62,765
h	Total expense (Row d + e + f + g)	\$231,731	\$207,475	\$177,818	\$190,348	\$142,223	\$949,595
i	Net income (Row c - Row h)	\$137,567	\$77,435	\$62,997	\$37,405	\$54,303	\$369,707

¹ Employee expense = Salaries (prorated by credits taught) + benefits (averaged across the College to eliminate penalties to programs due to dependent insurance coverage)

20. Describe the five-year income and expense trends.

Except for the large line-item for software purchases in FY10, the income and expenses tend to trend with enrollments. Faculty accepted overload course hours, and the department, over a five-year period, utilized adjunct instructors for 42 % of the courses that allows for expense control (Adjunct instructor utilization data received from T. Boone).

21. Describe what was done to improve the program's financial viability during the past five years.

We don't have much control over financial viability regarding large financial expenditures (for example lab costs, software), other than monitoring printing done by our students. The department has made changes in numbers of sections, and in course offerings, as described elsewhere in this document, to keep the program content relevant. Other programs use our courses for their degree programs. For example, CIS 109 is required by nearly every major on campus as either an elective or required course, and CIS 106 and CIS 108 are strongly recommended for both accounting and business majors.

22. Describe how the program's financial viability may be improved.

The department faculty work with administration to combine sections where possible, and to offer tutorial sections to help students finish programs in a timely manner. In 2012, a new AAS degree was approved – Windows Server Specialist, which should attract new students. The program is in the black

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

each year and continues to be financially viable.

23. Summarize the activities identified above in the operational plan (under Goal 3). Indicate below if activities will be included in the operational plan.

Activities will be included in the operational plan.

Activities will not be included in the operational plan.

Part 3: QUALITY COMPONENT

The quality component focuses on qualitative analysis and issues

COURSE SCHEDULING

24. Provide the program schedule by listing each required course by course number and indicating each semester in which it is planned to be offered.

COURSE NUMBER	YEAR 1: FALL SEMESTER	YEAR 1: SPRING SEMESTER	YEAR 2: FALL SEMESTER	YEAR 2: SPRING SEMESTER
----------------------	------------------------------	--------------------------------	------------------------------	--------------------------------

See Appendix D

25. How many semesters should it take a full-time student to complete this program?

AA, AS, or AAS degrees: 4 semesters

Certificates vary from 1-2 semesters, depending on required credit hours. Completion time is listed with each program in **Appendix D**

26. During the past five years, have courses been offered and properly sequenced so a student could complete the program in the number of semesters specified above?

Yes

No

27. During the past five years, have scheduling conflicts been avoided by coordinating the days and times that courses are offered?

Yes

No

28. During the past five years, have scheduling conflicts been avoided by coordinating schedules with other required courses, outside of this area?

PROGRAM: *Computer Science*
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Yes
 No

29. Describe scheduling changes that may be needed during the next five years and the rationale for the changes, **OR** indicate “None.”

None; when issues have arisen, they have been discussed with appropriate Dean and VP and scheduling issues corrected before the schedules were made available to students

30. Summarize activities that the department will perform to correct scheduling problems and make future scheduling changes in the operational plan (under Goal 1 or 2). Indicate below if activities will be included in the operational plan, **AND/OR** if issues have already been corrected.

Activities will be included in the operational plan.
 Activities will not be included in the operational plan.
 Issues have already been corrected.

CURRICULUM: COURSE OUTLINES

31. In the table below, list all of the courses in the discipline and indicate the most recent date it was reviewed as indicated on the course outline.

Course Number	Most recent review date (as indicated on the course outline in the Academic VP’s office)	Next review date (to be reviewed not more than 5 years after the most recent review)
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See attached **Appendix E**

NOTE: Add the schedule of course review dates to the operational plan

32. Are 100% of course outlines and syllabi aligned?

Yes
 No
 Currently under review

PROGRAM: *Computer Science*

FY12 Instructional Five Year Program Review

33. Summarize activities to correct any course outline issues in the operational plan (under Objective 1.1 or 1.3). Indicate below if activities will be included in the operational plan, **AND/OR** if issues have already been corrected.

- Activities will be included in the operational plan.**
- Activities will not be included in the operational plan.
- Issues have already been corrected.

**Our FY 11-12 operational plan already includes a review of all outlines & syllabi. Due to large number of outlines to review and update, the project will also be included in our FY 13 Operational Plan.

CURRICULUM: ASSESSMENT

Additional resources: Assessment Summary Reports and Operational Plans

34. List the program/area objectives that have NOT been assessed in this five-year period and indicate whether these will be assessed, eliminated, or replaced, **OR** indicate “All have been assessed.”

CIS now participates in the area-level Careers assessment that addresses knowledge, skills, behaviors and professional work habits. This area-level assessment replaces the discipline-level assessments that were in place at the time of the last program review in 2006. 2010 – 11 was the first year for area-level assessment. Every item has been assessed.

35. Describe any curricular changes ensuing from assessment, which were made during the past five years, and the positive and/or negative results of those changes, **OR** indicate “None.” None (as the assessment instrument just changed in spring of 2010).

36. Summarize activities related to assessment issues in the operational plan (under Objective 1.1). Indicate below if activities will be included in the operational plan.

- Activities will be included in the operational plan.
- Activities will not be included in the operational plan.

CURRICULUM: CURRICULAR CHANGES

Additional resources: Assessment Summary Reports
Operational Plans

37. Describe any curricular changes made during the past five years, and the positive and/or negative results of those changes, **OR** indicate “None.”

CIS 121 (JavaScript) had previously been offered only through ILCCO. We have brought it back in house for the first time in the FY 11 semester. The credit hours were changed from 3 to 1. Because the course is designed to support a certificate, not a degree, CIS faculty did not feel a full 3-credit hour course best serves our students. We closed a gap in the web design certificate offerings by building CIS 136: Intro to Photo Editing Software. A new A.A.S. degree incorporating eight new classes – Windows Server Specialist – was approved by the ICCB and will be on the fall 2012 schedule and in the 2012-2014 SVCC Catalog.

PROGRAM: *Computer Science*

FY12 Instructional Five Year Program Review

38. Describe possible changes in transfer requirements or content that may be *imposed* on the program during the next five years, **OR** indicate “None.”

A proposal to redesign the Web Design certificate curriculum has been presented to the curriculum committee, and in February of 2012 adopted for approval pending ICCB acceptance. In the course of researching this change, six peer community college’s certificate and degree programs were reviewed. The new curriculum includes the change in outline & credit hours for CIS 121 and incorporates CIS 136 into the certificate. Content will be kept current as new software releases are made available.

39. Describe anticipated curricular changes that the department will propose during the next five years and the *accompanying* needs that will be required, or indicate “None.”

CURRICULAR CHANGES	EQUIPMENT AND/OR SUPPLY NEEDS	FACILITY NEEDS	PERSONNEL AND/OR TRAINING NEEDS	ESTIMATED EXPENSE
	Software updates to be kept current; coordinate with IS as changes are campus-wide and affect all computers users (including SVCC staff), not just CIS programs			

40. Summarize activities that the department will perform to make curricular changes in the operational plan (under Objective 1.1; 1.2; or 1.3). Indicate below if activities will be included in the operational plan.

- Activities will be included in the operational plan
- Activities will not be included in the operational plan.

FACULTY & STAFF

41. Have 100% of full-time faculty participated in professional development during the past 5 years?

- Yes, skip to question 43
- No, continue with question 42

42. Describe what can be done to assure that 100% of faculty participate in professional development during the next 5 years?

NA: we meet this measure

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

43. Will faculty need any *specialized* professional development in the next 5 years?

Yes, continue with question 44

No, skip to question 45

44. Summarize the *specialized* professional development what will be needed, who will participate and estimated expenses.

NA

45. Describe any proposed staffing changes along with a rationale; indicate any planned retirements, and submit a completed *Personnel Change Request* form, or indicate “None.”

None

46. Summarize activities that the department will perform to assure that 100% of faculty participate in professional development during the next 5 years and staffing changes described above, in the operational plan (under Goal 1 or 2); Indicate below if activities will be included in the operational plan, and indicate if a completed *Personnel Change Request* is attached.

Activities will be included in the operational plan.

Activities will not be included in the operational plan.

A completed *Personnel Change Request* accompanies this program review.

EQUIPMENT AND SUPPLIES

47. Identify *current deficiencies* in equipment, software, and/or supplies that negatively impact the program (be as specific as possible), **OR** indicate “None.”

None

48. Identify *new and/or replacement* equipment, software, and/or supplies which are anticipated during the next five years, with cost estimates, **OR** indicate “None.” Do not include items associated with the curriculum changes noted in prior section.

Will coordinate with college IS staff to remain current on software releases through Microsoft and Adobe. Investigating costs for bringing the SAM (Skills Assessment Manager) assessment package license to campus (students currently buy a course code). If access to SAM were brought on campus, it could potentially be used for placement testing and/or proficiency testing. It could also be used by departments who don't teach computer skills, but whose students could benefit from the SAM tutorials (any class that requires the use of word processors could gain some Word training, for instance

49. Summarize activities to acquire the needed equipment, software, and supplies as described above in the operational plan (under Goal 1 or 2), **OR** submit a completed *Equipment Request Form*. Indicate below if activities will be included in the operational plan, and if an *Equipment Request Form* is attached.

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

- Activities will be included in the operational plan. (Researching cost/benefit of asking for a campus-wide SAM license as opposed to only CIS students purchasing one for CIS 109).
- Activities will not be included in the operational plan.
- A completed *Equipment Request Form* accompanies this program review.

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

SUPPORT SERVICES

Definition: College services that are *specific to this program*, which are utilized by students outside of the classroom (i.e. tutoring in the LAC, special materials in the LRC, etc.)

50. Describe the services that are *specific to this program* that are currently available to students, **OR** indicate “None.”

None

51. Describe gaps in the services that are *specific to this program* which are currently available and identify possible solutions, **OR** indicate “None.”

Students often express frustration at the lack of CIS-qualified tutors available in the LAC, particularly those who are conversant in programming languages, Microsoft Excel and Microsoft Access.

52. Describe any changes in the need for support services that are anticipated to occur during the next five years, **OR** indicate “None.”

No change in need; we will continue to need CIS tutors in the LAC.

53. Summarize activities to expand or correct the gaps in support services as described above in the operational plan (under Goal 1 or 2). Indicate below if activities will be included in the operational plan.

Activities will be included in the operational plan.

Activities will not be included in the operational plan.

MARKETING

Definition: Systematic efforts aimed at attracting students to the program.

54. Not including the catalog and program brochure, describe how the program has been promoted and marketed during the past five years, and the frequency that each promotional or marketing activity has been done.

Marketing efforts are largely focused on existing students in gateway classes (CIS 109, CIS 150, CIS 101), both by discussing course sequencing and by advising current students as to available education and career paths.

55. Describe how the program can be better promoted and marketed.

Expand the in-class marketing efforts by encouraging adjuncts teaching CIS 109, CIS 101 and CIS 152 to promote available programs. A new degree was just approved by ICCB for both SVCC and WACC students. WACC students can earn SVCC credit for certain courses that count towards completion of a networking certification and/or degree here at SVCC. CIS has a web-site that will be updated.

56. Summarize activities to better promote and market the program as described above in the operational plan (under Objective 1.2 or Goal 3). Indicate below if activities will be included in the operational plan.

Activities will be included in the operational plan. (update the CIS web site)

Activities will not be included in the operational plan.

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

STUDENT INPUT

Definition: Formal and informal efforts aimed at obtaining student opinions and suggestions for improving the program.

57. Describe the formal and informal efforts to obtain student input, the frequency of each effort, what was learned, and changes that were made **OR** indicate “Not applicable.”

Source of Input Efforts to obtain student input, the frequency of each effort, what was learned, and changes that were made

Assessment

Informal
Conversations

Both Megill and Wittman conduct informal conversations with students about the effectiveness of resources, etc., that are provided to help students complete courses in the program.

Interviews

Survey

Wittman distributes surveys at the close of each on-campus and online CIS 109, CIS 106 and CIS 108 class asking for feedback about the course, specifically, not the program in its entirety

Other

Attendance at Workforce Council meetings. We will investigate the opportunity to survey employers.

58. Describe the formal and informal efforts to obtain student input that **will be attempted** during the next five years **OR** indicate “None are planned.”

Continue as above; modify as needed.

59. Summarize activities to obtain student input as described above in the operational plan (under Goal 1 or 2). Indicate below if activities will be included in the operational plan.

 Activities will be included in the operational plan.

 x Activities will not be included in the operational plan.

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

NON-STUDENT INPUT

Definition: Formal and informal efforts aimed at obtaining information regarding program content and improvement from informed sources other than students, for the purpose of keeping the program current and relevant (e.g. IAI, staying informed of changing transfer requirements, meeting with other departments, meeting with colleagues from other colleges).

60. Describe the formal and informal efforts to obtain input, the frequency of each effort, what was learned, and changes that were made **OR** indicate “Not applicable.

Method	Formal and informal efforts to obtain input, the frequency of each effort, what was learned, and changes that were made
Conference attendance	Wittman: Assessment conference; Course Technology forums
IAI updates	CIS 109 is IAI articulated and was successfully audited Spring of 2011 by the IAI to retain articulation. Will continue as needed. Similarly MAT 230 (a course offered as part of the CIS programming degree) was audited in Fall of 2011 and articulation was retained.
Networking with colleagues	Megill and Wittman engage in informal discussions about course changes, etc.
Professional association membership	Wittman: member of NAPP (National Assn. of Photoshop Professionals)
Other	Attendance at Workforce Council meetings

61. Describe the formal and informal efforts to obtain non-student input that will be attempted during the next five years **OR** indicate “None are planned.”
 Continue as above

62. Summarize plans to obtain future input from non-student sources described above in the operational plan (under Goal 1, 2, or 4). Indicate below if activities will be included in the operational plan.

Activities will be included in the operational plan.
 Activities will not be included in the operational plan.

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

NEED AND GROWTH POTENTIAL

63. What is the projected level of need for the program, during the next five years?

- Growing need
 Level need
 Declining need

64. List the top five plans to strengthen the program during the next five years. (These should be related to items discussed above, and be realistic, specific, measurable, and have a target completion date.) Include on the operational plan.

- 1) Resequencing of Networking certificates and AAS degree to account for two dropped courses (Begin spring, 2012; complete by fall 2012)
- 2) Finalize update to the Web Design certificate (Spring, 2012)
- 3) Work with LAC to increase availability of CIS tutors (Ongoing, annually) Considerations will include key times for needs, number of hours of availability.
- 4) Expand awareness and activity of marketing through adjuncts in gateway courses (Fall 2012)
- 5) Be responsive to changes in technology and emerging technologies (Ongoing, as needed)

65. Summarize plans to address the top five priorities in the operational plan. Indicate below if activities will be included in the operational plan.

- Activities will be included in the operational plan as needed
 Activities will not be included in the operational plan.

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

ACADEMIC DISCIPLINE PROGRAM REVIEW SUMMARY REPORT
Required ICCB Program Review Report
Sauk Valley Community College **Academic Year 2011 - 2012**

Discipline Area	Computer Science Programs
------------------------	---------------------------

Improvements & Rationale for Action

*Since the last program review, the CIS faculty have written courses for CIS internships, revised a programming course (JavaScript), and added a new course (Intro to Photo Editing Software). We have taken responsibility for IND 105 (Industrial Computer Applications). We have reviewed and modified the Programming track programs to eliminate those which were not beneficial to students. Going forward, we will modify the Web Design certificate (spring 2012, pending approval), discuss with the LAC the viability of providing additional CIS tutors, expand awareness of internal marketing efforts with CIS adjuncts, and continue to be responsive to changes in technology. According to O*Net online, demand for computer skills is predicted to remain level or increase, and we are prepared to be responsive to student and workforce needs.*

Principle Assessment Methods Used in Quality Assurance for this Program

- Standardized assessments
- Writing samples (writing program code in programming courses)
- Portfolio evaluation
- Analysis of enrollment, demographic and cost data

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

**CAREER AND TECHNICAL EDUCATION PROGRAM REVIEW
SUMMARY REPORT**

Required ICCB Program Review Report

Sauk Valley Community College

Academic Year 2011 - 2012

Program Identification Information

6-digit CIP	
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Degree Type	30-Certs <30ch
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Program Title	Computer Information Systems: Management Information Systems (B40)
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Action

- Continued with minor improvements

Improvements & Rationale for Action

Curriculum updated to reflect changing technologies in operating systems.

Principle Assessment Methods Used in Quality Assurance for this Program

- Portfolio evaluation

Statewide Program Issues (if applicable)

None noted.

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

**CAREER AND TECHNICAL EDUCATION PROGRAM REVIEW
SUMMARY REPORT**

Required ICCB Program Review Report

Sauk Valley Community College

Academic Year 2011 - 2012

Program Identification Information

6-digit CIP	110601
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Degree Type	03 AAS
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Program Title	Computer Information Systems: Microcomputer Applications (076)
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Action

- Continued with minor improvements

Improvements & Rationale for Action

While this degree was designed to provide a graduate with skills in computer application software and business practices, it was lacking any in-depth exposure to hardware and hardware support. Course CIS 167 (A+), which gives entry-level skills in computer hardware support, was added to the curriculum and offered for the first time in the spring of 2010.

Principle Assessment Methods Used in Quality Assurance for this Program

- Portfolio evaluation

Statewide Program Issues (if applicable)

None noted.

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

**CAREER AND TECHNICAL EDUCATION PROGRAM REVIEW
SUMMARY REPORT**

Required ICCB Program Review Report

Sauk Valley Community College

Academic Year 2011 - 2012

Program Identification Information

6-digit CIP	520407
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Degree Type	30 – Certs. <30ch
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Program Title	Computer Information Systems: Microcomputer Applications Specialist I (B32)
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Action

- Continued with minor improvements

Improvements & Rationale for Action

This certificate builds entry-level business computer applications skills and can be scaffolded to build the Microcomputer Applications Specialist II certificate, and on to the Microcomputer Applications A. S. Degree. Courses have been updated to remain current with popular Windows-based operating system and business application software.

Principle Assessment Methods Used in Quality Assurance for this Program

- Portfolio evaluation

Statewide Program Issues (if applicable)

None noted

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

**CAREER AND TECHNICAL EDUCATION PROGRAM REVIEW
SUMMARY REPORT**

Required ICCB Program Review Report

Sauk Valley Community College

Academic Year 2011 - 2012

Program Identification Information

6-digit CIP	520407
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Degree Type	30 – Certs. <30ch
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Program Title	Computer Information Systems: Microcomputer Applications Specialist II (B36)
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Action

- Continued with minor improvements

Improvements & Rationale for Action

This certificate builds advanced computer applications skills and can be scaffolded with general education credits to build the Microcomputer Applications A. A. S. Degree. Courses have been updated to remain current with popular Windows-based operating system and business application software.

Principle Assessment Methods Used in Quality Assurance for this Program

- Portfolio evaluation

Statewide Program Issues (if applicable)

None noted

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

**CAREER AND TECHNICAL EDUCATION PROGRAM REVIEW
SUMMARY REPORT**

Required ICCB Program Review Report

Sauk Valley Community College

Academic Year 2011 - 2012

Program Identification Information

6-digit CIP	111001
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Degree Type	30 – Certs. <30ch
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Program Title	Computer Information Systems: Networking Administration (B39)
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Action

- Continued with minor improvements

Improvements & Rationale for Action

Curriculum modified to remain current with industry-standard Cisco curriculum. This certificate can be scaffolded with the Networking Professional Certificate and General Education courses to earn an AAS: Networking Specialist.

Principle Assessment Methods Used in Quality Assurance for this Program

- Standardized Assessments
CISCO Certification Exams

Statewide Program Issues (if applicable)

None noted

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

**CAREER AND TECHNICAL EDUCATION PROGRAM REVIEW
SUMMARY REPORT**

Required ICCB Program Review Report

Sauk Valley Community College

Academic Year 2011 - 2012

Program Identification Information

6-digit CIP	111901
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Degree Type	30 – Certs. <30ch
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Program Title	Computer Information Systems: Networking Professional (B35)
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Action

- Continued with minor improvements

Improvements & Rationale for Action

Curriculum modified to remain current with industry-standard Cisco curriculum. This certificate can be scaffolded with the Networking Specialist Certificate and General Education courses to earn an AAS: Networking Specialist.

Principle Assessment Methods Used in Quality Assurance for this Program

- Standardized Assessments
CISCO Certification Examinations

Statewide Program Issues (if applicable)

None noted

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

**CAREER AND TECHNICAL EDUCATION PROGRAM REVIEW
SUMMARY REPORT**

Required ICCB Program Review Report

Sauk Valley Community College

Academic Year 2011 - 2012

Program Identification Information

6-digit CIP	
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Degree Type	03 – A.A.S.
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Program Title	Networking Specialist (075)
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Action

- Continued with minor improvements

Improvements & Rationale for Action

Curriculum modified to remain current with industry-standard Cisco curriculum. Update general networking requirements from Novell, to vendor-neutral Net+ and A+ courses.

Principle Assessment Methods Used in Quality Assurance for this Program

- Standardized Assessments
CISCO Certification Examinations

Statewide Program Issues (if applicable)

None noted

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

**CAREER AND TECHNICAL EDUCATION PROGRAM REVIEW
SUMMARY REPORT**

Required ICCB Program Review Report

Sauk Valley Community College

Academic Year 2011 - 2012

Program Identification Information

6-digit CIP	
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Degree Type	30 – Certs <30ch.
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Program Title	Networking Specialist (B31)
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Action

- Continued with minor improvements

Improvements & Rationale for Action

Curriculum modified to remain current with industry-standard Cisco curriculum. This certificate can be scaffolded with the Networking Professional Certificate and General Education courses to earn an AAS: Networking Specialist.

Principle Assessment Methods Used in Quality Assurance for this Program

- Standardized Assessments
CISCO Certification Examinations

Statewide Program Issues (if applicable)

None noted

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

**CAREER AND TECHNICAL EDUCATION PROGRAM REVIEW
SUMMARY REPORT**

Required ICCB Program Review Report

Sauk Valley Community College

Academic Year 2011 - 2012

Program Identification Information

6-digit CIP	110201
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Degree Type	30 – Certs <30ch
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Program Title	Programming I (B30)
----------------------	---------------------

Action

- Discontinued/Eliminated
-

Improvements & Rationale for Action

The certificate was eliminated because of the very low number of jobs in our area for programmers without a bachelor's degree. Instead we encourage students to pursue the AS in programming and transfer to a four-year institution.

Principle Assessment Methods Used in Quality Assurance for this Program

- N/A

Statewide Program Issues (if applicable)

N/A

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

**CAREER AND TECHNICAL EDUCATION PROGRAM REVIEW
SUMMARY REPORT**

Required ICCB Program Review Report

Sauk Valley Community College

Academic Year 2011 - 2012

Program Identification Information

6-digit CIP	110201
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Degree Type	30 – Certs <30ch
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Program Title	Programming II (B38)
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Action

- Discontinued/Eliminated
-

Improvements & Rationale for Action

The certificate was eliminated because of the very low number of jobs in our area for programmers without a bachelor's degree. Instead we encourage students to pursue the AS in programming and transfer to a four-year institution.

Principle Assessment Methods Used in Quality Assurance for this Program

- N/A*

Statewide Program Issues (if applicable)

N/A

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

**CAREER AND TECHNICAL EDUCATION PROGRAM REVIEW
SUMMARY REPORT**

Required ICCB Program Review Report

Sauk Valley Community College

Academic Year 2011 - 2012

Program Identification Information

6-digit CIP	520407
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Degree Type	30 – Certs. <30ch
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Program Title	Computer Information Systems: Web Design (B37)
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Action

- Significantly modified

Improvements & Rationale for Action

For a certificate, a 3-credit JavaScript class was determined to not be necessary, and it was not available on our campus. Additionally, the program lacked in-depth study of photo editing software. Thus, a new course, Introduction to Photo Editing Software (2 credits) was created, and the JavaScript class was scaled back to a 1-credit, JavaScript Basics course. Credit hours did not change.

Principle Assessment Methods Used in Quality Assurance for this Program

- Portfolio review

Statewide Program Issues (if applicable)

None noted

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

**CAREER AND TECHNICAL EDUCATION PROGRAM REVIEW
SUMMARY REPORT**

Required ICCB Program Review Report

Sauk Valley Community College

Academic Year 2011 - 2012

Program Identification Information

6-digit CIP	110201
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Degree Type	03 – AAS
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Program Title	Programming (025)
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Action

- Discontinued/Eliminated
-

Improvements & Rationale for Action

The AAS degree was eliminated because of the very low number of jobs in our area for programmers without a bachelor's degree. Instead we encourage students to pursue the AS in programming and transfer to a four-year institution.

Principle Assessment Methods Used in Quality Assurance for this Program

- N/A

Statewide Program Issues (if applicable)

N/A

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

ACADEMIC DISCIPLINE PROGRAM REVIEW SUMMARY REPORT
Required ICCB Program Review Report
Sauk Valley Community College **Academic Year 2011 - 2012**

Discipline Area	Computer Information Systems AS in Programming Technical track (840) Information systems track (841)
------------------------	---

Improvements & Rationale for Action

We changed the sequencing of courses to fit with when they are actually offered. We deleted two certificates and an AAS degree that no longer enhanced employability for students, and encourage students to work towards the AS degree instead.

Principle Assessment Methods Used in Quality Assurance for this Program

- Individual programming projects
- Group programming projects

Statewide Program Issues (if applicable)

N/A

PROGRAM: *Computer Science***FY12 Instructional Five Year Program Review****Appendix A: Outcomes from 2005/2006 Program Review**

Goal/Objective	Planned Activity	Individual(s) Responsible	Means of Assessment and Criteria for Success	Outcomes/remarks
Annual meeting with counseling to review curricula	Meeting to be scheduled	CIS Faculty	Meeting occurred Fall 2006; plan to continue each fall	We have met with counseling when changes to our program occur.
CIS based PSY 100 section	Explore modification of an existing PSY 100 section to introduce the CIS program to prospective and current CIS majors	CIS faculty in conjunction with counselors	Development plan in place by January 2008.	This did not prove to be feasible.
Internship course	Write course and submit to appropriate committee/person	CIS faculty with Mary Lou Kidder as lead	Approval by Curriculum committee and ICCB by Fall of 2008	Courses (CIS 235/CIS 236) in place
CCNA completion data collection process in place	Survey to past students	CIS faculty with Dave Habben as lead	Database of CCNA test results of former students	This did not prove to be feasible. The plan now is to work with the new Career Services Coordinator to track our program graduates
Grad survey data collection system in place	Phone calls, e-mails, letters, and/or personal visits to students	CIS faculty	Database of graduate contact information	
Increased presence with Workforce Council	Meeting and presentation to be scheduled	CIS Faculty and Dean (White)	Minimum of one meeting per academic year	Workforce Council meets twice per year and CIS faculty are represented at each meeting.

PROGRAM: *Computer Science***FY12 Instructional Five Year Program Review**

Goal/Objective	Planned Activity	Individual(s) responsible	Means of Assessment and Criteria for Success	Outcomes/remarks
Determine if CIS 105 should be revamped	Discuss with counselors and/or faculty – possibly through a faculty forum or survey	CIS faculty	Decision made about revamping course	Course outline was rewritten F09.
Determine if CIS faculty can assist Technology faculty with teaching IND 105	Schedule discussion time with technology faculty	CIS faculty	Decision reached by faculty	CIS instructors are now teaching IND 105
Inactivate courses that may no longer be part of the degrees	Discuss inactivating CIS 201, 204, 205, 212, and 222	CIS faculty	Corrected list of courses for 2008-2010 catalog	Complete
Determine success of combined programming degree/certificates with Highland CCC	Monitor the program and the ramifications	CIS faculty and Dean White, led by Kevin Megill	Track number of students enrolled and graduated	Program was not successful; courses returned to SVCC
Computer coding exit project	Develop the coding project and a system for administering it	CIS faculty led by Kevin Megill	Successful completion of project development	Complete and in use

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

CIS Program Review Documents
Appendix B
Illinois Workforce Development System data

Networking Specialist: AAS Degree

Percent of students who complete the program:	<u>NA</u> %
Percent of students employed after exiting WIA:	<u>100</u> %
Average starting hourly wage:	\$25

Microcomputer Applications Specialist: AAS Degree

Percent of students who complete the program:	<u>NA</u> %
Percent of students employed after exiting WIA:	<u>NA</u> %
Average starting hourly wage:	\$NA

CIS: Programming Associate's Degree

Percent of students who complete the program:	<u>54</u> %
Percent of students employed after exiting WIA:	<u>100</u> %
Average starting hourly wage:	\$6

Networking Specialist: Certificate

Percent of students who complete the program:	<u>42</u> %
Percent of students employed after exiting WIA:	<u>100</u> %
Average starting hourly wage:	\$11

Web Design: Certificate

Percent of students who complete the program:	<u>NA</u> %
Percent of students employed after exiting WIA:	<u>100</u> %
Average starting hourly wage:	\$NA

Management Information Systems: Certificate

Percent of students who complete the program:	<u>NA</u> %
Percent of students employed after exiting WIA:	<u>NA</u> %
Average starting hourly wage:	\$NA

Networking Professional: Certificate

Percent of students who complete the program:	<u>NA</u> %
Percent of students employed after exiting WIA:	<u>100</u> %
Average starting hourly wage:	\$4

Programming: Certificate

Percent of students who complete the program:	<u>57</u> %
Percent of students employed after exiting WIA:	<u>100</u> %
Average starting hourly wage:	\$7

We have provided this data as retrieved, although it does not appear to be valid.

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

CIS Program Review Documents

Appendix C

Question 19: Describe the occupational need for the program

Source: O*Net Online
 Retrieved 11/10/2011
 Pages updated 2010

SVCC Degree	O*Net report analyzed	Outlook/Projected Growth	Median Wages (2010)	Link
Microcomputer Apps Specialist Degree/Certificates ¹	15-1151.00 – Computer User Support Specialists	Bright Outlook.* Projected growth from 2008-2018: Faster than Average (14% - 19%)	\$22.24/hour	http://bit.ly/tNKeIO
Computer Programming ²	15-1131.00 – Computer Programmers	Decline slowly or moderately (-3% to -9%)	\$34.32/hour	http://bit.ly/tUrJNt
Networking Specialist/Degree and certificates ³	15-1152.00 – Computer Network Support Specialists	Bright Outlook.* Projected growth (2008-2018) Much faster than average (20% or higher)	\$22.24/hour	http://bit.ly/rwoJnk

*O*Net describes occupations as “Bright Outlook” as follows:

Bright Outlook occupations are expected to grow rapidly in the next several years, will have large numbers of job openings, or are new and emerging occupations.

Every Bright Outlook occupation matches at least one of the following criteria:

- Projected to **grow much faster than average** (employment increase of 20% or more) over the period 2008-2018
- Projected to **have 100,000 or more job openings** over the period 2008-2018
- **New & Emerging** occupation in a high growth industry

Growth and job openings source: [Bureau of Labor Statistics](http://www.bls.gov) 2008-2018 employment projections. Projected growth represents the estimated change in total employment over the projections period (2008-2018). Projected job openings represent openings due to growth and replacement.

(Source: <http://www.onetonline.org/help/bright/15-1151.00>. Retrieved 11/10/2011)

¹ Typical education attained by average employee: 37% - some college, no degree. 29% - Bachelor’s degree. 18% - Associate’s degree

² Typical education attained by average employee: 6% - HS diploma or equiv. 11% - some college, no degree. 78% Bachelor’s degree

³ Education was not specifically described

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

CIS Program Review
Appendix D

CIS: Microcomputer Apps: AAS							
First Semester	Sems Off.	Cr Hrs		Third Semester	Sems Off	Cr Hrs	
ACC 101	F, S, SU	4		CIS 117	F, S	1	
BUS 103	F, S, SU	3		CIS 130	F	3	
CIS 109	F, S, SU	3		CIS 137	F, S, SU	1	
ENG 101	F, S, SU	3		CIS 160	F	3	
PSY 100	F, S, SU	1		CIS 210	F	3	
MAT 106+	F, S	3		Phy/Life Sci		3	4
	Total	17			Total	14	15
Second Semester				Fourth Semester			
ACC 102	F, S, SU	4		CIS 148	S	1	Catalog suggests to take in fall
CIS 106	F, S	2		CIS 167	S	3	
CIS 108	S	2		CIS 214	S	3	
CIS 182	S	1		CIS 260	S Odd years	3	
CIS 229	S	3		ENG 111	S	3	
OAS 141	F, S, SU	2		HUM/Fine Arts		3	
Soc/Beh Sci		3				16	
	Total	17					
Total Hours		64		Hours w/4 hr Life Sci		65	
Results: Move CIS 148 from third semester to 4th semester; only offered in spring							

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

CIS: Networking Specialist: A. A. S.

First Semester

CIS 101	F, S	3	
CIS 152	F	3	
CIS 154	F	3	
ENG 101	F, S, SU	3	
PSY 100	F, S, SU	1	
CIS 151	??	3	**
Total		16	

Third Semester

MAT 106+	F, S	3
Net electives		6
ACC 101	F, S, SU	4
BUS 103	F, S, SU	3
Total		16

Second Semester

CIS 156	S	3	
CIS 158	S	3	
CIS 167	S	3	**
HUM/FA		3	
Phy/Life Sci		3	
Soc/Beh Sci		3	
Total		18	

Fourth Semester

Net Electives		9
ACC 102	F, S, SU	4
ENG 111	S	3
Total		16

Electives

CIS 250	ILCCO	3
CIS 252	F	3
CIS 254	S	3
CIS 256	SU	3
CIS 258	F, S ??	3

Total: 66

** Substitution for deleted CIS 162/CIS 164

Dropping CIS 162/CIS 164 and bringing in 151 (Net+) and 167 (A+) makes the degree have too many hours unless we adjust the 4th sem to read "8 hours of electives", which isn't possible as all remaining course are 3 hours. This proposed sequencing is under discussion and will be included in the 2012-2013 Operation Plan for completion

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

Computer Science Technical Track AS (840)

First Semester			Third Semester			
ENG 101	F, S, SU	3	CIS 208	F	3	
MAT 203	F	4	ECO 211	F, S, SU	3	
PSY 100	F, S, SU	1	PHY 212	F	5	
PSY 103	F, S, SU	3	SPE 131	F, S, SU	3	
Fine Arts Ele	F, S, SU	3	Pers Dev Ele	F,S, SU	3	Moved from spring
Life Sci Ele	F, S, SU	3			17	
		17				
Second Semester			Fourth Semester			
CIS 207	S	3	MAT 205	S	5	Moved to spring
ENG 103	F, S, SU	3	MAT 230	S	3	Moved to spring
MAT 204	S	4	ECO 212	F, S	3	
PHY 211	F, S	5	HUM ele	F, S, SU	3	
		15	HUM/FA ele	F, S, SU	3	
					17	
Total Cr Hours		66				

Changes in sequencing to reflect current course offerings

Computer Science Information Systems Track AS (841)

First Semester			Third Semester			
ACC 101	F, S, SU	4	CIS 208	S	3	
CIS 101	F, S	3	ECO 211	F, S, SU	3	
CIS 150	F	3	FA Ele	F, S, SU	3	
ENG 101	F, S, SU	3	HUM Ele	F, S, SU	3	
MAT 203 OR 220 OR 221	F	4-3-3	Soc/Beh Sci Ele	F, S, SU	3	Moved from spring
PSY 100	F, S, SU	1	Pers Dev Ele	F, S, SU	3	Moved from spring
		17-18			18	
Second Semester			Fourth Semester			
ACC 102	F, S, SU	4	BUS 214	S	3	Moved to spring
CIS 207	S	3	MAT 230	S	3	Moved to spring
ENG 103	F, S, SU	3	ECO 212	F, S	3	
SPE 131	F, S, SU	3	Phy Sci Ele	F,S, SU	3-4	
Life Sci Ele	F, S, SU	4-3	FA Ele	F, S, SU	3	
		16-17			15-16	
Total Cr Hours		66-69				

Changes in sequencing to reflect current course offerings

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

CIS Program Review
Appendix E
 Outline Review Dates

Course	Last Review Date	Next Scheduled Review Date
CIS 090	Withdraw	NA
CIS 095	Withdraw	NA
CIS 096	Withdraw	NA
CIS 101	2011	2016
CIS 105	2009	2014
CIS 106	2011	2016
CIS 108	2011	2016
CIS 109	2011	2016
CIS 115	Withdraw	NA
CIS 117	2011	2016
CIS 119	2011	2016
CIS 121	2011	2016
CIS 122	2011	2016
CIS 124	2011	2016
CIS 130	2011	2016
CIS 135	2011	2016
CIS 136	2009	2014
CIS 137	2011	2016
CIS 138	2011	2016
CIS 139	2011	2016
CIS 146	Withdraw	NA
CIS 147	Withdraw	NA
CIS 148	2011	2016
CIS 150	2011	2016
CIS 151	2011	2016
CIS 152	2011	2016
CIS 154	2011	2016
CIS 156	2011	2016
CIS 158	2011	2016
CIS 160	2011	2016
CIS 162	Withdraw	NA
CIS 164	Withdraw	NA
CIS 168	2008	2013
CIS 169	2008	2013
CIS 180	2011	2016
CIS 182	2011	2016

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

CIS 185	2010	2015
CIS 203	Withdraw	NA
CIS 204	Withdraw	NA
CIS 205	Withdraw	NA
CIS 206	Withdraw	NA
CIS 207	2011	2016
CIS 208	2011	2016
CIS 210	2010	2015
CIS 214	2011	2016
CIS 220	2011	2016
CIS 222	2011	2016
CIS 224	2011	2016
CIS 229	2011	2016
CIS 231	2007	2012
CIS 232	2007	2012
CIS 234	2011	2016
CIS 235	2007	2012
CIS 236	2007	2012
CIS 244	2011	2016
CIS 245	2011	2016
CIS 246	2011	2016
CIS 250	2011	2016
CIS 252	2011	2016
CIS 254	2011	2016
CIS 256	2011	2016
CIS 258	2011	2016
CIS 260	2011	2016
CIS 299	2011	2016

PROGRAM: *Computer Science*
FY12 Instructional Five Year Program Review

SIGNATURES and APPROVALS

NAMES AND SIGNATURES OF THE PROGRAM REVIEW TEAM Add lines if needed
Signatures indicate that team members concur with the findings of the program review

NAMES (Indicate chair/co-chairs)	SIGNATURES
----------------------------------	------------

- Valarie Wittman (Co-chair)
- Kevin Megill (Co-chair)
- Amanda Eichman
- Mary Ann Hurd
- David Habben
- Brandon Payne
- Tammy Kelemen
- Marlene Hilliker
- Mary Lou Kidder

PROGRAM REVIEW COMMITTEE

- This Program Review is complete and acceptable.
- This Program Review is complete but the conclusions *are not* fully substantiated.
- This Program Review is incomplete and unacceptable.
- Comments are attached (optional)

Program Review Committee Chair; Date
Program Review Committee Co-Chair; Date

ADMINISTRATIVE APPROVALS
Administrative signatures indicate an acceptance of the program review

- Dean
- Academic Vice President
- President