Chemistry Major EFFECTIVENESS PROGRAM 2014-2015

EXPANDED STATEMENT OF	STUDENT LEARNING	ASSESSMENT CRITERIA AND	ASSESSMENT RESULTS	USE OF RESULTS
INSTITUTIONAL PURPOSE	OUTCOMES AND	PROCEDURES	ASSESSMENT RESCETS	USE OF RESULTS
INSTITUTIONAL FUNFOSE	OBJECTIVES OF PROGRAM	TROCEDURES		
University Mission: As a Christian	Students completing the	1. As measured by a pre/post test of		
university which embraces its	baccalaureate degree in chemistry	basic chemistry skills (developed		
Baptist heritage and namesake,	have a mastery of basic chemistry	internally), 80% of students will		
William Carey University	skills.	score 70% or better.		
provides quality educational		Secret 7070 of Sector.		
programs, within a caring Christian	2 Students completing the	2. As measured by question 8 and 35		
academic community,	baccalaureate degree in chemistry	on the Graduate Follow-up Report,		
which challenge the individual	will be pleased with the quality of	80% of students will rate quality of		
student to excel in scholarship,	instruction.	instruction received a 4.0 or better.		
leadership, and service in a diverse				
global society.	3. Students completing the	3 As measured by American		
	baccalaureate degree in chemistry	Chemical Society (ACS) test for		
	have a mastery of higher order	organic chemistry students' average		
Expanded Statement of Mission:	chemistry skills.	score will be 30% or higher.		
Provide academic programs to	4. Students completing the	4. As measured in CHE 481 by		
promote student learning	baccalaureate degree in chemistry	internally developed rubrics, 80% of		
2. Promote Christian	have a mastery of basic skills in	students will score at or above the		
development and social	scientific writing and oral	"Proficient" level in scientific		
responsibility	presentations.	writing and oral presentation,		
3. Strengthen ties with Baptist churches, associations, and				
conventions	5 Chemistry graduates who do not	5. As measured by the Graduate		
4. Provide an environment that	pursue graduate studies will find	Follow-Up Report question 14, 20%		
supports student learning	employment in their field.	of graduates will find employment		
5. Strengthen organizational and	employment in their field.	in their field.		
operational effectiveness		in their field.		
6. Strengthen financial resources	6. Chemistry graduates seeking	6. As measured by the Graduate		
Department/Unit Purpose:	admission to graduate schools will	Follow-Up Report question 10, 80%		
While the program of the college is	be admitted	of graduates will be admitted into		
built around each individual student,		graduate school.		
all graduates of the Chemistry				
program will have developed a depth				
of understanding in the chemical				
sciences and will have been afforded				
the opportunity for a career, a				
profession, or further study				
following graduation.				

following graduation.

Chemistry

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Chemistry Major EFFECTIVENESS PROGRAM 2013-2014

EXPANDED STATEMENT OF STUDENT LEARNING ASSESSMENT CRITERIA AND ASSESSMENT RESULTS USE OF RESULTS					
INSTITUTIONAL PURPOSE	OUTCOMES AND	PROCEDURES	ASSESSMENT RESULTS	USE OF RESULTS	
INSTITUTIONAL PURPOSE	OBJECTIVES OF PROGRAM	PROCEDURES			
University Mission: As a Christian	Students completing the	1. As measured by a pre/post test of	1.81% of students scored 70% or	Objective met: Results	
university which embraces its	baccalaureate degree in chemistry	basic chemistry skills (developed	better on the basic skills test.	reviewed and faculty determined	
Baptist heritage and namesake,	have a mastery of basic chemistry	internally), 80% of students will		how to keep up the standard.	
William Carey University	skills.	score 70% or better.			
provides quality educational					
programs, within a caring Christian	2 Students completing the	2. As measured by question 8 and	2. 100% of students rated	2. Objective met: Results	
academic community,	baccalaureate degree in chemistry	35 on the Graduate Follow-up	the quality of instruction as 4.0	reviewed and faculty determined	
which challenge the individual	will be pleased with the quality of	Report, 80% of students will rate	or better.	how to continue the standard.	
student to excel in scholarship,	instruction.	quality of instruction received a 4.0			
leadership, and service in a diverse		or better.			
global society.	3. Students completing the		3. Organic chemistry students'	3. Objective met: Results	
	baccalaureate degree in chemistry	3 As measured by American	average score on the ACS test was	reviewed and faculty determined	
	have a mastery of higher order	Chemical Society (ACS) test for	32%.	to continue the standard.	
Expanded Statement of Mission:	chemistry skills.	organic chemistry students' average score will be 30%.			
 Provide academic programs to 	4. Students completing the		4. 100% of students scored at or	4. Objective met: Faculty	
promote student learning	baccalaureate degree in chemistry	4. As measured in CHE 481 by	above proficient in scientific writing	determined how to keep up the	
Promote Christian	have a mastery of basic skills in	internally developed rubrics, 80% of	and oral presentation.	standard.	
development and social	scientific writing and oral	students will score at or above the			
responsibility	presentations.	"Proficient" level in scientific			
3. Strengthen ties with Baptist		writing and oral presentation,			
churches, associations, and					
conventions	Chemistry graduates who do not		5. 100% of graduates seeking work	5. Objective met: Results	
4. Provide an environment that	pursue graduate studies will find	5. As measured by the Graduate	found employment in their field.	reviewed and faculty determined	
supports student learning	employment in their field.	Follow-Up Report question 14, 20%		how to continue the standard.	
5. Strengthen organizational and		of graduates will find employment			
operational effectiveness		in their field.		6.011 11 12 12 12	
6. Strengthen financial resources	6. Chemistry graduates seeking		6. 100% of graduates that applied to	6. Objective met: Results	
Department/Unit Purpose:	admission to graduate schools will	6. As measured by the Graduate	graduate school were accepted.	reviewed and faculty determined	
While the program of the college is built around each individual student,	be admitted	Follow-Up Report question 10, 80%		how to ensure this standard	
		of graduates will be admitted into		continues to be met. Included in	
all graduates of the Chemistry program will have developed a		graduate school.		this is strategizing to gain more chemistry majors to successfully	
depth of understanding in the				continue on to graduate studies.	
chemical sciences and will have				continue on to graduate studies.	
been afforded the opportunity for a					
career, a profession, or further study					
following graduation.					
ronowing graduation.					

Chemistry Major EFFECTIVENESS PROGRAM 2012-2013

2012-2013						
EXPANDED STATEMENT OF	STUDENT LEARNING	ASSESSMENT CRITERIA AND	ASSESSMENT RESULTS	USE OF RESULTS		
INSTITUTIONAL PURPOSE	OUTCOMES AND	PROCEDURES				
	OBJECTIVES OF PROGRAM					
University Mission: As a Christian	Students completing the	1. As measured by a pre/post test of	1. 88% of students scored 70% or	Objective met: Results		
university which embraces its	baccalaureate degree in chemistry	basic chemistry skills (developed	better on the basic skills test.	reviewed and faculty determined		
Baptist heritage and namesake,	will have a mastery of basic	internally), 80% of students will		how to keep up the standard.		
William Carey University	chemistry skills.	score 70% or better.				
provides quality educational	-					
programs, within a caring Christian	2. Students completing the	2. As measured by question 8 and 35	2. 100% of students rated	Objective met: Results		
academic community,	baccalaureate degree in chemistry	on the Graduate Follow-up Report,	the quality of instruction as 4.0	reviewed and faculty determined		
which challenge the individual	will be pleased with the quality of	80% of students will rate quality of	or better.	how to continue the standard.		
student to excel in scholarship,	instruction.	instruction received a 4.0 or better.				
leadership, and service in a diverse						
global society.	3. Students completing the	3 As measured by American	3. Organic chemistry students'	3. Objective met: Results		
	baccalaureate degree in chemistry	Chemical Society (ACS) test for	average score on the ACS test was	reviewed and faculty determined		
	have a mastery of higher order	organic chemistry students' average	31%.	to continue the standard.		
Expanded Statement of Mission:	chemistry skills.	score will be 30%.				
	-					
 Provide academic programs to 	4. Students completing the	4. As measured in CHE 481 by	4. 100% of students scored at or	4. Objective met: Faculty		
promote student learning	baccalaureate degree in chemistry	internally developed rubrics, 80% of	above proficient in scientific writing	determined how to keep up the		
2. Promote Christian	have a mastery of basic skills in	students will score at or above the	and oral presentation.	standard.		
development and social	scientific writing and oral	"Proficient" level in scientific				
responsibility	presentations.	writing and oral presentation,				
Strengthen ties with Baptist						
churches, associations, and						
conventions	5 Chemistry graduates who do not	5. As measured by the Graduate	5. 100% of graduates seeking work	Objective met: Results		
4. Provide an environment that	pursue graduate studies will find	Follow-Up Report question 14, 20%	found employment in their field.	reviewed and faculty determined		
supports student learning	employment in their field.	of graduates will find employment		how to continue the standard.		
Strengthen organizational and		in their field.				
operational effectiveness						
6. Strengthen financial resources	Chemistry graduates seeking	6. As measured by the Graduate	6. 100% of graduates that applied to	Objective met: Results		
Department/Unit Purpose:	admission to graduate schools will	Follow-Up Report question 10, 80%	graduate school were accepted.	reviewed and faculty determined		
While the program of the college is	be admitted	of graduates will be admitted into		how to ensure this standard		
built around each individual student,		graduate school.		continues to be met. Included in		
all graduates of the Chemistry				this is strategizing to gain more		
program will have developed a depth				chemistry majors to successfully		
of understanding in the chemical				continue on to graduate studies.		
sciences and will have been afforded						
the opportunity for a career, a						
profession, or further study						
following graduation.						

Chemistry Major EFFECTIVENESS PROGRAM 2011-2012

	1	2011-2012		1
EXPANDED STATEMENT OF	STUDENT LEARNING	ASSESSMENT CRITERIA AND	ASSESSMENT RESULTS	USE OF RESULTS
INSTITUTIONAL PURPOSE	OUTCOMES AND	PROCEDURES		
	OBJECTIVES OF PROGRAM			
University Mission: As a Christian	1. Students completing the	1. As measured by a pre/post test of	1. 88% of students scored 70% or	1. Objective met: Results
university which embraces its	baccalaureate degree in chemistry	basic chemistry skills (developed	better on the basic skills test.	reviewed and faculty determined
Baptist heritage and namesake,	will have a mastery of basic	internally), 80% of students will		how to keep up the standard.
William Carey University	chemistry skills.	score 70% or better.		
provides quality educational				
programs, within a caring Christian	2. Students completing the	2. As measured by question 8 and 35	2. 100% of students rated	2. Objective met: Results
academic community,	baccalaureate degree in chemistry	on the Graduate Follow-up Report,	the quality of instruction as 4.0	reviewed and faculty determined
which challenge the individual	will be pleased with the quality of	80% of students will rate quality of	or better.	how to continue the standard.
student to excel in scholarship,	instruction.	instruction received a 4.0 or better.		
leadership, and service in a diverse				
global society.	3. Students completing the	3 As measured by American	3. Organic chemistry students'	Faculty reviewed results and
	baccalaureate degree in chemistry	Chemical Society (ACS) test for	average score on the ACS test was	determined a new faculty
	have a mastery of higher order	organic chemistry students' average	23%.	member to teach Organic with a
Expanded Statement of Mission:	chemistry skills.	score will be 25%.		new goal of 30% average score.
Provide academic programs to	4. Students completing the	4. As measured in CHE 481 by	4. 100% of students scored at or	4. Objective met: Faculty
promote student learning	baccalaureate degree in chemistry	internally developed rubrics, 80% of	above proficient in scientific writing	determined how to keep up the
2. Promote Christian	have a mastery of basic skills in	students will score at or above the	and oral presentation.	standard.
development and social	scientific writing and oral	"Proficient" level in scientific	and oral presentation.	Standard.
responsibility	presentations.	writing and oral presentation,		
3. Strengthen ties with Baptist	presentations.	writing and oral presentation,		
churches, associations, and				
conventions	5 Chemistry graduates who do not	5. As measured by the Graduate	5. 100% of graduates seeking work	5. Objective met: Results
4. Provide an environment that	pursue graduate studies will find	Follow-Up Report question 14, 20%	found employment in their field.	reviewed and faculty determined
supports student learning	employment in their field.	of graduates will find employment	Tound employment in their field.	how to continue the standard.
5. Strengthen organizational and	emproyment in their freidi	in their field.		now to commute are standard.
operational effectiveness		in their field.		
6. Strengthen financial resources	6. Chemistry graduates seeking	6. As measured by the Graduate	6. 100% of graduates that applied to	6. Objective met: Results
Department/Unit Purpose:	admission to graduate schools will	Follow-Up Report question 10, 80%	graduate school were accepted.	reviewed and faculty determined
While the program of the college is	be admitted	of graduates will be admitted into	gs sensor were accepted.	how to ensure this standard
built around each individual student,		graduate school.		continues to be met. Included in
all graduates of the Chemistry		<i>6</i>		this is strategizing to gain more
program will have developed a depth				chemistry majors to successfully
of understanding in the chemical				continue on to graduate studies.
sciences and will have been afforded				
the opportunity for a career, a				
profession, or further study				
following graduation.				

Chemistry Major EFFECTIVENESS PROGRAM 2010-2011

2010-2011						
EXPANDED STATEMENT OF	STUDENT LEARNING	ASSESSMENT CRITERIA AND	ASSESSMENT RESULTS	USE OF RESULTS		
INSTITUTIONAL PURPOSE	OUTCOMES AND	PROCEDURES				
	OBJECTIVES OF PROGRAM					
University Mission: As a Christian	Students completing the	1. As measured by a pre/post test of	1. 88% of students scored 70% or	Objective met: Results		
university which embraces its	baccalaureate degree in chemistry	basic chemistry skills (developed	better on the basic skills test.	reviewed and faculty determined		
Baptist heritage and namesake,	will have a mastery of basic	internally), 80% of students will		how to keep up the standard.		
William Carey University	chemistry skills.	score 70% or better.				
provides quality educational						
programs, within a caring Christian	2. Students completing the	2. As measured by question 8 and 35	2. 100% of students rated	2. Objective met: Results		
academic community,	baccalaureate degree in chemistry	on the Graduate Follow-up Report,	the quality of instruction as 4.0	reviewed and faculty determined		
which challenge the individual	will be pleased with the quality of	80% of students will rate quality of	or better.	how to continue the standard.		
student to excel in scholarship,	instruction.	instruction received a 4.0 or better.				
leadership, and service in a diverse						
global society.	3. Students completing the	3 As measured by American	3. Organic chemistry students'	Faculty reviewed the result		
	baccalaureate degree in chemistry	Chemical Society (ACS) test for	average score on the ACS test was	and determined methods to		
	have a mastery of higher order	organic chemistry students' average	24%.	improve classroom instruction.		
Expanded Statement of Mission:	chemistry skills.	score will be 25%.				
Provide academic programs to	4. Students completing the	4. As measured in CHE 481 by	4. 100% of students scored at or	4. Objective met: Faculty		
promote student learning	baccalaureate degree in chemistry	internally developed rubrics, 80% of	above proficient in scientific writing	determined how to keep up the		
2. Promote Christian	have a mastery of basic skills in	students will score at or above the	and oral presentation.	standard.		
development and social	scientific writing and oral	"Proficient" level in scientific				
responsibility	presentations.	writing and oral presentation,				
Strengthen ties with Baptist						
churches, associations, and						
conventions	5 Chemistry graduates who do not	5. As measured by the Graduate	5. 100% of graduates seeking work	Objective met: Results		
4. Provide an environment that	pursue graduate studies will find	Follow-Up Report question 14, 20%	found employment in their field.	reviewed and faculty determined		
supports student learning	employment in their field.	of graduates will find employment		how to continue the standard.		
Strengthen organizational and		in their field.				
operational effectiveness						
6. Strengthen financial resources	6. Chemistry graduates seeking	6. As measured by the Graduate	6. 100% of graduates that applied to	6. Objective met: Results		
Department/Unit Purpose:	admission to graduate schools will	Follow-Up Report question 10, 80%	graduate school were accepted.	reviewed and faculty determined		
While the program of the college is	be admitted	of graduates will be admitted into		how to ensure this standard		
built around each individual student,		graduate school.		continues to be met. Included in		
all graduates of the Chemistry				this is strategizing to gain more		
program will have developed a depth				chemistry majors to successfully		
of understanding in the chemical				continue on to graduate studies.		
sciences and will have been afforded						
the opportunity for a career, a						
profession, or further study						
following graduation.						

Chemistry Major EFFECTIVENESS PROGRAM 2009-2010

2007-2010						
	PANDED STATEMENT OF	STUDENT LEARNING	ASSESSMENT CRITERIA AND	ASSESSMENT RESULTS	USE OF RESULTS	
INS	TITUTIONAL PURPOSE	OUTCOMES AND	PROCEDURES			
Timi	versity Mission: The mission of	OBJECTIVES OF PROGRAM 1. Students completing the	1. As massaged by a may post test of	1. 91% of students scored 70% or	Objective met: Results	
	liam Carey University is to	baccalaureate degree in chemistry	1. As measured by a pre/post test of basic chemistry skills (developed	better on the basic skills test.	reviewed and faculty determined	
	vide quality liberal arts and	will have a mastery of basic	internally), 80% of students will	better on the basic skins test.	how to keep up the standard.	
	essional education programs	chemistry skills.	score 70% or better.		now to keep up the standard.	
	nin a caring Christian academic	chemistry skins.	score 70% or better.			
	munity. The individual student	2. Students completing the	2. As measured by question 8 and 35	2. 100% of students rated	2. Objective met: Results	
	acouraged to develop his or her	baccalaureate degree in chemistry	on the Graduate Follow-up Report,	the quality of instruction as 4.0	reviewed and faculty determined	
	nest potential in scholarship,	will be pleased with the quality of	80% of students will rate quality of	or better.	how to continue the standard.	
	lership, and service. The	instruction.	instruction received a 4.0 or better.	of better.	now to continue the standard.	
	versity collaborates with	ilistruction.	instruction received a 4.0 or better.			
	rches, organizations, and	3. Students completing the	3 As measured by American	3. Organic chemistry students'	3. Faculty reviewed the result	
	viduals to affirm its Baptist	baccalaureate degree in chemistry	Chemical Society (ACS) test for	average score on the ACS test was	and determined methods to	
	tage and namesake—William	have a mastery of higher order	organic chemistry students' average	23%.	improve classroom instruction.	
Car		chemistry skills.	score will be 25%.	2370.	improve classroom instruction.	
	oanded Statement of Mission:	Chemistry skins.	score will be 25%.			
1	Provide academic programs to	4. Students completing the	4. As measured in CHE 481 by	4. 100% of students scored at or	4. Objective met: Faculty	
1.	promote student learning	baccalaureate degree in chemistry	internally developed rubrics, 80% of	above proficient in scientific writing	determined how to keep up the	
2.	Promote Christian	have a mastery of basic skills in	students will score at or above the	and oral presentation.	standard.	
۷.	development and social	scientific writing and oral	"Proficient" level in scientific	and oral presentation.	standard.	
	responsibility	presentations.	writing and oral presentation,			
3.	Strengthen ties with Baptist	presentations.	writing and oral presentation,			
٥.	churches, associations, and					
	conventions	5 Chemistry graduates who do not	5. As measured by the Graduate	5. 100% of graduates seeking work	5. Objective met: Results	
4.	Provide an environment that	pursue graduate studies will find	Follow-Up Report question 14, 20%	found employment in their field.	reviewed and faculty determined	
	supports student learning	employment in their field.	of graduates will find employment	Tound employment in their field.	how to continue the standard.	
5.	Strengthen organizational and	emproyment in their freid:	in their field.		now to commune the standard.	
	operational effectiveness		In them freid:			
6.	Strengthen financial resources	6. Chemistry graduates seeking	6. As measured by the Graduate	6. 100% of graduates that applied to	6. Objective met: Results	
	Department/Unit Purpose:	admission to graduate schools will	Follow-Up Report question 10, 80%	graduate school were accepted	reviewed and faculty determined	
	ile the program of the college is	be admitted	of graduates will be admitted into	(medical school).	how to ensure this standard	
	t around each individual student,		graduate school.	(continues to be met. Included in	
	graduates of the Chemistry				this is strategizing to gain more	
	gram will have developed a depth				chemistry majors to successfully	
	nderstanding in the chemical				continue on to graduate studies.	
	nces and will have been afforded					
the	opportunity for a career, a					
	ession, or further study					
	owing graduation.					