



**College of Education**

# DATA REPORT 2012

*Chemistry / Secondary Education*

This document contains aggregated candidate data collected at admission, clinical experience, and completion as well as program level on key quantitative variables. The intended uses of these data include identifying areas of strength, areas for improvement, indicators of progress, and as an aid for annual planning.

**UNIVERSITY OF WEST GEORGIA**

*8/13/12*



# DATA REPORT 2012

## CHEMISTRY/SECONDARY EDUCATION

### SECTION 1: PROGRAM DATA

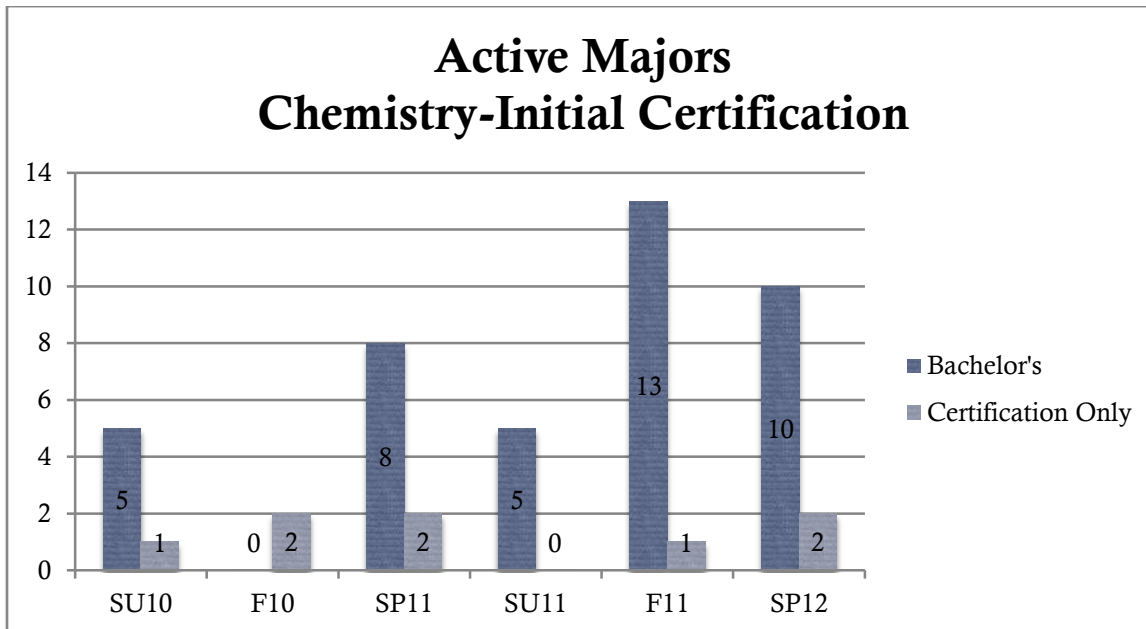
#### List of Assessments, Secondary Education Programs

Please review the assessments listed below and submit corrections, additions or deletions to the Assessment Office by the second Friday in September for Fall term assessments.

<b>Certification Only</b>	<b>Bachelor's</b>
GACE Basic Skills	GACE Basic Skills
GPA	GPA
Transcript	Grades in EDUC courses
Unit Plan/Rubric	Transcript
TEFEE; Dispositions Survey/Rubric	Unit Plan/Rubric
Effect on Student Learning	Dispositions Survey/Rubric
Portfolio/Rubric	TEFEE; Dispositions Survey/Rubric
BOR Survey	Effect on Student Learning
GACE II Score Reports	Portfolio/Rubric
	BOR Survey
	GACE II Score Reports

#### SMART Goals, Secondary Education 2011-2012

<b>SMART Goals-SEED/MGED Initial Certification</b>	<b>How Assessed?</b>	<b>When?</b>
Revise syllabi for SEED/MGED courses to address identified areas of need related to pedagogy & knowledge (planning for diversity, use of data, impact on students).	TEFEE	All Blocks
Obtain disaggregated data for GACE I & II for specific programs within SEED & MGED. Analyze data for areas of need. Use these identified areas to revise course instruction in methods & curriculum. Share data with content departments.	GACE I & II; Specific course assignments	All Blocks

***Program Productivity Data*****SECTION II: CANDIDATE DATA*****Admission GPA 2011-2012 (Transition Point 1)***

<b>Bachelor's</b>	3.78
<b>Certification Only</b>	*Not yet available

***Exit GPA 2011-2012 (Transition Point 4)***

<b>Bachelor's</b>	N/A
<b>Certification Only</b>	N/A

## CLINICAL EXPERIENCES

NO DATA

## FOLLOW-UP: GACE CONTENT (TRANSITION POINT 5)

The results reported here are for GACE Content Tests I and II. Results reported are all from takers from The University of West Georgia for the most recent five years.

### PASS RATES

Program Year	TEST 1		# Pass - UWG.	Pass Rate - GA	# Takers - GA	# Pass - GA
	Pass Rate - UWG.	# Takers - UWG.				
2007-2008	-	4	Low N	73%	118	86
2008-2009	-	0	Low N	62%	155	96
2009-2010	-	2	Low N	72%	123	88
2010-2011	-	3	Low N	71%	90	64
Program YTD	-	0	Low N	56%	57	32

Program Year	TEST 2		# Pass - UWG.	Pass Rate - State	# Takers - State	# Pass - State
	Pass Rate - UWG.	# Takers - UWG.				
2007-2008	-	2	Low N	75%	106	80
2008-2009	-	1	Low N	72%	151	108
2009-2010	-	2	Low N	78%	119	93
2010-2011	-	3	Low N	76%	82	62
Program YTD	-	0	Low N	64%	53	34

## OBJECTIVES SUMMARY, 2007-YTD ALL TAKERS

Test	Subarea #	Objective Type	Objective Name	# of Takers - UWG	Objective Score - UWG	# of Takers - GA	Objective Score - GA
<b>Test I</b>	1	M/C	Understand chemical formulas and the nomenclature of ionic and covalent compounds.	9	Low N	542	75%
<b>Test I</b>	1	M/C	Understand the factors that affect the solubility of a substance and the properties of solutions.	9	Low N	542	68%
<b>Test I</b>	1	M/C	Understand the organization of the Periodic Table.	9	Low N	542	81%
<b>Test I</b>	1	M/C	Understand the physical and chemical properties and changes of matter.	9	Low N	542	71%
<b>Test I</b>	1	M/C	Understand the processes of nuclear transformations.	9	Low N	542	69%
<b>Test I</b>	1	M/C	Understand the various models of atomic structure, the principles of quantum theory, and the properties and interactions of subatomic particles.	9	Low N	542	73%
<b>Test I</b>	2	M/C	Understand the different types of chemical bonds, the formation of these bonds, and the effect bond type has on the properties of substances.	9	Low N	542	62%
<b>Test I</b>	2	M/C	Understand the different types of intermolecular forces and the effects they have on the properties of substances.	9	Low N	542	74%
<b>Test I</b>	2	M/C	Understand the kinetic molecular theory and the gas laws.	9	Low N	542	64%
<b>Test I</b>	2	M/C	Understand the laws of thermodynamics and the flow of heat in physical and chemical processes.	9	Low N	542	71%
Test	Subarea #	Objective Type	Objective Name	# of Takers - UWG	Objective Score - UWG	# of Takers - GA	Objective Score - GA
<b>Test II</b>	1	M/C	Understand factors that affect reaction rates and methods for measuring reaction rates.	8	Low N	511	70%
<b>Test II</b>	1	M/C	Understand molar relationships and stoichiometry.	8	Low N	511	83%
<b>Test II</b>	1	M/C	Understand the basic types and characteristics of chemical reactions.	8	Low N	511	53%
<b>Test II</b>	1	M/C	Understand the concept of chemical equilibrium.	8	Low N	511	66%
<b>Test II</b>	1	M/C	Understand the mole concept and its relationship to chemical formulas.	8	Low N	511	83%

<b>Test II</b>	1	M/C	Understand the theories, principles, and applications of acid-base chemistry.	8	Low N	511	56%
<b>Test II</b>	2	M/C	Understand scientific tools, instruments, materials, and safety practices.	8	Low N	511	88%
<b>Test II</b>	2	M/C	Understand the characteristics of scientific knowledge and the process of scientific inquiry.	8	Low N	511	77%
<b>Test II</b>	2	M/C	Understand the skills and procedures for analyzing and communicating scientific data.	8	Low N	511	86%
<b>Test II</b>	2	M/C	Understand the unifying concepts of science and technology.	8	Low N	511	72%