

NASHVILLE STATE COMMUNITY COLLEGE  
 MATHEMATICS AND SCIENCES DIVISION  
 DIVISION ASSESSMENT SPRING 2006

COURSE		Apply mathematical concepts to problems and situations	Use critical thinking skills	Use and adapt technology	Apply scientific thought processes to a range of situations
Astr 1010 Solar System Astronomy					45%
Biol 1010 Introduction to Biology I					49%
Biol 1020 Introduction to Biology II					36%
Biol 1120 General Biology II					71%
Biol 1215 Principles of Nutrition					88%
Biol 2010 Anatomy and Physiology I			61%		62%
Biol 2020 Anatomy and Physiology II			59%		66%
Biol 2211 General Botany					86%
Biol 2230 Microbiology					74%
Chem 1010 Introduction to Chemistry					72%
Chem 1110 General Chemistry I					77%
Chem 1120 General Chemistry II					77%
Chem 2020 Organic Chemistry II					92%
DSPM 0700 Basic Mathematics		75%		76%	
DSPM 0800 Beginning Algebra		71%		81%	
DSPM 0850 Intermediate Algebra		70%		72%	
Geol 1040 Physical Geology					82%
Geol 1110 Earth Science					83%
Math 1010 Math for Liberal Arts		73%			
Math 1075 Business Mathematics		69%			
Math 1130 College Algebra		72%		67%	
Math 1410 Math for Elementary Education I		59%			

Math 1220 Math for Elementary Education II		86%		86%	
Math 1530 Statistics		61%		57%	
Math 1630 Finite Mathematics		72%		69%	
Math 1710 Precalculus I		65%		60%	
Math 1720 Precalculus II		84%			
Math 1730 Precalculus		74%			
Math 1830 Concepts of Calculus		61%		38%	
Math 1840 Calculus for Technology		66%			
Math 1910 Calculus & Analytical Geometry I		77%		54%	
Math 1920 Calculus & Analytical Geometry II		73%		60%	
Math 2110 Calculus & Analytical Geometry III		78%		92%	
Phys 1115 Basic Physics					59%
Phys 2010 Non-calculus based Physics I					45%
Phys 2020 Non-calculus based Physics II					29%
Phys 2110 Calculus based Physics I					49%
Phys 2120 Calculus based Physics II					49%
Psci 1030 Survey of Physical Science					58%
<b>TOTAL SCORES</b>		<b>71%</b>	<b>60%</b>	<b>68%</b>	<b>64%</b>

Not assessed: Biol 1110, Chem 1030, Chem 2010, Math 2120, Phys 1015, Phys 1025, Astr 1020

For courses listed, the faculty designed assessment exams to evaluate student achievement of course outcomes. The course outcomes were correlated with the college's student degree outcomes. Percentages are averages of the percent of student success for outcomes listed.

Program	Math Concept	Critical Thinking	Use/adapt Tech	Scientific Thinking
Biology		60%		66%
Chemistry				77%
Developmental Math	72%		76%	
College Math	71%		65%	
Physics				56%

Percentages are averages for all courses in a particular program.