Courses meeting the criteria for graduation requirements beginning with the Class of 2011
November, 2009

Language Arts - Three courses from the Foundations **plus** one from the Applied and Advanced list

Foundation Courses	Applied, Advanced or Supplemental Courses	
English 9	Literary Magazine	Technical Writing
English 10	Humanities	School Newspaper
English 11	Journalism 1 and 2	Creative Writing 1 and 2
	AP Literature and Composition	Literature
	AP Language and Composition	Business Communication
	Basic Writing Skills - UBSCT	World Languages 3, 4, 5, or AP
	Basic Reading Skills – UBSCT	Debate
	12th Grade Language Arts	Concurrent Enrollment Course*
	College Prep Language Arts	

Mathematics –Three credits including two Foundation courses **plus** an additional course from the Foundation Courses list or Applied and Advanced Courses list

Foundation Courses	Applied, Advanced or Supplemental Courses	
Algebra 1	Algebra A	College Prep Math
Algebra B	Intuitive Calculus	Mathematics of Personal Finance
Geometry	AP Calculus AB	Quantitative Analysis
Algebra 2	AP Calculus BC	Discrete Mathematics
Precalculus	Statistics	Accounting I and II
	AP Statistics	Computer Programming
	Basic Math Skills (UBSCT)	Concurrent Enrollment Course*

Science – Courses from two of the four areas of science on the Foundation Courses list **plus** an additional course from the Foundation Courses list or Applied and Advanced Courses list

Foundation Courses	Applied, Advanced or Supplemental Courses	
Earth Systems	Environmental Science	Natural Resource Management I and II
AP Environmental Science	Investigation Science	
	Geology	Agricultural Science and Technology I through IV
Biology	Marine Biology/Oceanography	
Human Biology	Meteorology	Aquaculture, Advanced
Human Biology CE	Biology Elective	Aquaculture, Introductory
Biology Agricultural Science Technology	Botany	Advanced Animal Science and Technology
	Genetics	
Biology/Agriculture Science Technology CE	Human Physiology	Advanced Plant & Soil Science and Technology
	Anatomy and Physiology	
AP Biology	Wildlife Biology	Agricultural Biotechnology
AP Biology CE	Zoology	Animal Science and Technology
	Astronomy	Plant and Soil Science and Technology
Chemistry	Aerospace	
AP Chemistry	Aeronautics	Digital Electronics – PLTW
Chemistry with Lab		Principles of Engineering – PLTW
Chemistry with Lab CE		Concurrent Enrollment Course*
Physics		
Physics with Technology		
AP Physics		
Physics with Lab CE		

*Concurrent enrollment courses offered from college/university language arts, mathematics, and science departments

NOTE: Teachers currently meeting state license and endorsement requirements for an approved applied or advanced course are qualified to teach that course.

Applied, advanced and supplemental courses may be added to the appropriate list using the CACTUS Course Addition Request form (found on Curriculum & Instruction's webpage at http://www.schools.utah.gov/curr/main/Core_Codes/default.htm). All additions to the applied, advanced and supplemental course list must also use the following procedure and criteria.

Language Arts

Determined by the local school board and approved by USOE, using the following criteria.

(i) courses are within the field/discipline of language arts with a significant portion of instruction aligned to language arts content, principles, knowledge, and skills; and

(ii) courses provide instruction that leads to student understanding of the nature and disposition of language arts; and

(iii) courses apply the fundamental concepts and skills of language arts; and

(iv) courses provide developmentally appropriate content; and

(v) courses develop skills in reading, writing and inquiry.

Mathematics

Determined by the local school board and approved by USOE, using the following criteria.

(i) courses are within the field/discipline of mathematics with a significant portion of instruction aligned to mathematics content, principles, knowledge, and skills; and

(ii) courses provide instruction that leads to student understanding of the nature and disposition of mathematics; and

(iii) courses apply the fundamental concepts and skills of mathematics; and

(iv) courses provide developmentally appropriate content; and

(v) courses include the five process skills of mathematics: problem solving, reasoning, communication, connections, and representation.

Science

Determined by the local school board and approved by USOE, using the following criteria.

(i) courses are within the field/discipline of science with a significant portion of instruction aligned to science content, principles, knowledge, and skills; and

(ii) courses provide instruction that leads to student understanding of the nature and disposition of science; and

(iii) courses apply the fundamental concepts and skills of science; and

(iv) courses provide developmentally appropriate content; and

(v) courses include the areas of physical, natural, or applied sciences; and

(vi) courses develop students' skills in scientific inquiry.