

**OFFICE OF EDUCATIONAL ACCOUNTABILITY**  
**Summary of State Board of Education Agenda Items**  
**March 20-21, 2014**

**OFFICE OF ACCREDITATION**

15. Approval to begin the Administrative Procedures Act process: To approve the proposed revisions to Appendices A, B, and C in the *Mississippi Public School Accountability Standards, 2012*

On March 11, 2014, the Commission on School Accreditation held a special-called meeting via teleconference and approved the recommendations of the Office of Curriculum and Instruction to revise Appendices A, B, and C in the *Mississippi Public School Accountability Standards, 2012*.

Recommendation: Approval

Back-up material attached

**APPENDIX A-1**

**GRADUATION REQUIREMENTS  
STANDARD 20**

**DISTRICT OPTION**

**~~SENIORS OF SCHOOL YEAR 2008-2009, 2009-2010 & 2010-2011  
(Entering ninth graders in 2005-2006, 2006-2007, 2007-2008)~~**

**NOTE:** This option may be offered by districts, but it is not required.

Each student graduating from a secondary school in an accredited school district will have earned the required Carnegie units as specified in the following table. Contents of each required and elective course must include the core objectives identified in the *Mississippi Curriculum Frameworks*. Course titles and identification numbers must appear in the current edition of *Approved Courses for Secondary Schools of Mississippi*. (See SB Policies 2902 and 2903.) Enrollment in on-line and correspondence courses listed in this book must have prior approval granted by the principal. No more than one (1) of the minimum required number of units may be earned through completion of an approved correspondence course. ~~Elective courses that do not have identified content in the *Mississippi Curriculum Frameworks* or whose titles do not appear in the current edition of *Approved Courses for the Secondary Schools of Mississippi* must be approved according to criteria stated in Appendix D.~~

Any student who completes the minimum graduation requirements as specified below and has achieved a passing score on each of the required high school exit examinations is eligible to receive a high school diploma. The local school district may establish additional local requirements approved by the local school board as authorized under MS Code 37-16-7.

CURRICULUM AREA	CARNEGIE UNITS	REQUIRED SUBJECTS
ENGLISH	4 <sup>1</sup>	
MATHEMATICS	4 <sup>2</sup>	Algebra I <u>or Integrated Math I</u>
SCIENCE	3 <sup>3</sup>	Biology I
SOCIAL STUDIES	3	1 World History <sup>4</sup> 1 U.S. History <sup>4</sup> ½ U.S. Government ½ Mississippi Studies <sup>5</sup>
HEALTH	½ <sup>6</sup> & <sup>7</sup>	<u>Contemporary Health</u> <sup>10</sup> <u>Comprehensive Health</u> <u>or</u> <u>Family and Individual Health</u>
<u>BUSINESS &amp; and</u> <u>TECHNOLOGY</u>	1 <sup>8</sup>	<u>1 Computer Discovery</u> <u>1 Information and Communication Technology (ICT) II</u> <u>or 1 Science, Technology, Engineering &amp; Mathematics (STEM)</u> <u>or 1 Technology Foundations</u> <u>or ½ Keyboarding and</u> <u>½ Computer Applications</u> <sup>11</sup>

**MISSISSIPPI PUBLIC SCHOOL ACCOUNTABILITY STANDARDS, 2012**

<b>THE ARTS</b>	<b>1</b>	<b>Any approved 500.000 course or completion of the 2-course sequence for Computer Graphics Technology I and II</b>
<b>ELECTIVES</b>	<b>4½<sup>9</sup></b>	
<b>TOTAL UNITS REQUIRED</b>	<b>21</b>	

# MISSISSIPPI PUBLIC SCHOOL ACCOUNTABILITY STANDARDS, 2012

## APPENDIX A-1 (Continued) GRADUATION REQUIREMENTS STANDARD 20

### District Option

#### **SENIORS OF SCHOOL YEAR 2008-2009, 2009-2010 & 2010-2011 (Entering ninth graders in 2005-2006, 2006-2007 & 2007-2008)**

<sup>1</sup> Compensatory English, Compensatory Reading, and Compensatory Writing may not be included in the four English courses required for graduation; however, these courses may be included in the 4½ general electives required for graduation. Beginning school year 2014-2015, Compensatory English may only be taken if a credit-bearing English course is taken in the same school year. MYP-English I and MYP English II are accepted in lieu of the English I and English II requirements for students enrolled in the IB program.

<sup>2</sup> Compensatory Mathematics and any developmental mathematics course may not be included in the four mathematics courses required for graduation; however, these courses may be included in the 4½ general electives required for graduation. Beginning school year 2014-2015, Compensatory Mathematics may only be taken if a credit-bearing Math course is taken in the same school year. Beginning school year 2004-2005 for all entering eighth graders, at least one of the four required mathematics courses must be higher than Algebra I or Integrated Math I. The allowable mathematics courses that can be taken which are higher than Algebra I are: Geometry, Integrated Math II, Algebra II, Integrated Math III, CCSS Advanced Math Plus, Algebra III, SREB Math Ready, Advanced Algebra, Trigonometry, Pre-Calculus, Calculus, AP Calculus AB, AP Calculus BC, Discrete Mathematics, Statistics, and AP Statistics. Advanced Algebra, Trigonometry, Pre-Calculus, Discrete Mathematics, and Statistics meet this requirement if taken prior to the 2015-2016 school year. One of the four required mathematics units may be in Drafting if the student completes the 2-course sequence for Drafting I & II. Effective with the eighth graders of 2004-2005, Pre-Algebra, Transition to Algebra, and Algebra I, may be taken in the eighth grade for Carnegie unit credit. Pre-Algebra and Transition to Algebra are no longer available after the 2013-2014 school year. Carnegie units may be earned by seventh and eighth graders effective with school year 2014-2015 for the following courses: CCSS Compacted Math Grade 7, CCSS Compacted Math Grade 8/Integrated Math I, and CCSS Math Grade 8/Algebra I (Traditional). MYP Geometry, MYP Algebra II, IB-DP Mathematics I, IB-DP Mathematics II, IB-DP Mathematical Studies I, IB-DP Mathematical Studies II are allowable mathematics courses higher than Algebra I for IB students.

<sup>3</sup> One unit may be in Concepts of Agriscience or Introduction to Agriscience, Concepts of Agriscience, and a second unit may be earned by completing 2 of the following 3 courses: Science of Agricultural Plants, Science of Agricultural Animals, or Science of Agricultural Environment. Two units may be in the following courses if the student completes the 2-course sequence required course sequence ending with Agriscience II, Allied Health II, Aquaculture II, Forestry II, Plastics and Polymer Science II, Technology Applications II, Robotics/Engineering II, Polymer Science II or Careers in Polymer Science, Horticulture II or Horticulture Landscape and Turfgrass, Engineering II or Applied Engineering Concepts, Health Sciences II or Workplace and Employment Skills in Health Sciences. Beginning school year 2008-2009 for all entering eighth graders, one unit must be a lab-based physical science. The allowable lab-based physical science courses are Physical Science, Chemistry, AP Chemistry, Physics, AP Physics B, AP Physics C – Electricity and Magnetism, AP Physics C – Mechanics, Polymer Science II, and Robotics/Engineering II. IB-DP Physics I, IB-DP Physics II, MYP Chemistry, and IB-DP Chemistry may be accepted as allowable lab-based physical science courses for students enrolled in the IB program. MYP Biology and IB-DP Biology I may be accepted in lieu of the Biology I requirement for students enrolled in an IB program. Effective with school year 2013-14, up to two (2) of the four (4) required science units (excluding Biology I) may be earned by completing Agriculture and Natural Resources I & II. One (1) credit allowed shall be awarded for Biology II, and one-half (½) credit shall be awarded for Botany, and one-half (½) credit shall be awarded for Field Experiences in Science. Effective with eighth graders of school year 2013-14, Introduction to Agriscience may be taken in the eighth grade for Carnegie unit credit. Agriscience I & II; Allied Health I & II; Aquaculture I & II; Forestry I & II; Horticulture I & II; Plastics and Polymer Science I & II; and Technology Applications I & II. Two units may be earned by completing the following AEST 3-course sequence: one unit in Concepts of Agriscience; one unit in Science of Agricultural Animals or Science of Agricultural Plants, or Science of Agricultural Environment; and one unit in Agribusiness and Entrepreneurship. IB-DP Physics I, IB-DP Physics II, MYP

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~~Chemistry, and IB-DP Chemistry may be accepted as allowable lab-based physical science courses for students enrolled in the IB program. MYP Biology and IB-DP Biology I may be accepted in lieu of the Biology I requirement for students enrolled in an IB program.~~

<sup>4</sup> **Based on the 2004 Mississippi Social Studies framework**, AP European History or AP World History can be accepted in lieu of World History. Advanced placement U.S. History is accepted in lieu of the required U.S. History from 1877 to present. AP Government and Politics: United States can be accepted in lieu of the required United States Government course. A.P. Macroeconomics or A.P. Microeconomics can be taken in lieu of the required Economics course. A.P. Human Geography can be accepted in lieu of the required Geography course. IB-DP History of the Americas I is accepted in lieu of the required U.S. History Course for students enrolled in the IB program. IB-DP History of the Americas II is accepted in lieu of the required Mississippi Studies, Economics, and/or U.S. Government courses for students enrolled in the IB program. MYP U. S. Government is accepted in lieu of the required Government course for students enrolled in the IB program.

**Based on the 2011 Mississippi Social Studies framework**, A.P. World History can be accepted in lieu of the required World History from the Age of Enlightenment to Present course. A.P. United States History can be accepted in lieu of the required U.S. History from Post-reconstruction to Present course. A.P. Government and Politics: United States can be accepted in lieu of the required United States Government course, A.P. Macroeconomics or A.P. Microeconomics can be taken in lieu of the required Economics course, A.P. Human Geography can be accepted in lieu of the required Geography course. IB-DP History of the Americas I is accepted in lieu of the required U.S. History course for students enrolled in the IB program. IB-DP History of the Americas II is accepted in lieu of the required Mississippi Studies, Economics, and/or U.S. Government courses for students enrolled in the IB program. MYP U.S. Government is accepted in lieu of the required Government course for students enrolled in the IB program.

<sup>5</sup> The credit earned for a State/Local Government course in any other state by an out-of-state transfer student who enters after the sophomore year can stand in lieu of Mississippi Studies or Mississippi State and Local Government. If the transfer student took a State/Local Government course in a grade level that did not award Carnegie unit credit, then any other ½ unit social studies course may be accepted. An out-of-state student who transfers after the junior year may substitute any other ½ unit social studies course.

<sup>6</sup> Credit earned in Allied Health I/Health Science I may be accepted in lieu of ~~Comprehensive Health or Family and Individual Health~~Contemporary Health to meet the graduation requirement for ½ Carnegie unit in Health.

<sup>7</sup> Successful completion of JROTC I and JROTC II may be accepted in lieu of ~~Comprehensive Health or Family and Individual Health~~Contemporary Health to meet the graduation requirement for ½ Carnegie unit in Health beginning in the 2010-2011 school year and thereafter, when instruction includes all health components in the JROTC curriculum.

<sup>8</sup> Evidence of proficiency in Keyboarding and Computer Applications is accepted in lieu of the required courses if the student earns one unit in any of the courses listed in the *Business and Technology Framework* (academic and vocational). Information & Computer Technology (ICT) II may be accepted in lieu of Computer Discovery. A Carnegie unit earned for Science, Technology, Engineering & Mathematics (STEM) in the 8<sup>th</sup> or 9<sup>th</sup> grade meets this graduation requirement. Technology Foundations replaces Computer Discovery, Keyboarding and Computer Applications and meets this graduation requirement when taken in grades 8-12. MYP Computer Discovery may be accepted in lieu of Computer Discovery for students enrolled in an IB program.

<sup>9</sup> Elective units in physical education include participation in interscholastic athletic activities, band, performance choral, dance and JROTC that meet the instructional requirements specified in the *Fitness through Physical Education Framework* and that are sanctioned by the Mississippi High School Activities Association.

<sup>10</sup> Comprehensive Health or Family and Individual Health meet this requirement if taken prior to the 2013-2014 school year.

<sup>11</sup> Computer Discovery meets this requirement if taken prior to the 2012-2013 school year.

**MISSISSIPPI PUBLIC SCHOOL ACCOUNTABILITY STANDARDS, 2012**

**APPENDIX A-2**

**GRADUATION REQUIREMENTS  
STANDARD 20**

**SENIORS OF SCHOOL YEAR 2011-2012 (and thereafter)  
(Entering ninth graders in 2008-2009, and thereafter)**

Each student graduating from a secondary school in an accredited school district will have earned the required Carnegie units as specified in the following table. Contents of each required and elective course must include the core objectives identified in the *Mississippi Curriculum Frameworks*. Course titles and identification numbers must appear in the current edition of *Approved Courses for Secondary Schools of Mississippi*. (See SB Policies 2902 and 2903) Enrollment in on-line and correspondence courses listed in this book must have prior approval granted by the principal. No more than one (1) of the minimum required number of units may be earned through completion of an approved correspondence course.

Any student who completes the minimum graduation requirements as specified below and has achieved a passing score on each of the required high school exit examinations is eligible to receive a high school diploma. The local school district may establish additional local requirements approved by the local school board as authorized under MS Code 37-16-7.

Beginning school year 2008-2009 and thereafter, all entering ninth graders (seniors of school year 2011-2012 and later) will be required to have a minimum of 24 Carnegie units as specified below, unless their parent/guardian requests to opt the student out of Appendix A-2 requirements in accordance with local school board policy. Any student who is taken out of these requirements of Appendix A-2 will be required to complete the graduation requirements as specified in Appendix A-1. The local school district may establish additional local requirements approved by the local school board as authorized under MS Code 37-16-7.

<b>CURRICULUM AREA</b>	<b>CARNEGIE UNITS</b>	<b>REQUIRED SUBJECTS</b>
<b>ENGLISH</b>	4 <sup>1</sup>	English I English II
<b>MATHEMATICS</b>	4 <sup>2</sup>	Algebra I <u>or Integrated Math I</u>
<b>SCIENCE</b>	4 <sup>3</sup>	Biology I
<b>SOCIAL STUDIES</b>	4	1 World History <sup>4</sup> 1 U.S. History <sup>4</sup> ½ Geography <sup>4</sup> ½ U.S. Government ½ Economics <sup>5</sup> ½ Mississippi Studies <sup>64</sup>
<b>HEALTH and PHYSICAL EDUCATION</b>	1 <sup>7&amp;8</sup>	<del>½ Comprehensive Health or</del> <del>½ Family &amp; Individual Health</del> <u>Contemporary Health</u> and ½ Physical Education <sup>9&amp;11</sup>
<b>BUSINESS &amp; <u>and</u> TECHNOLOGY</b>	1 <sup>10</sup>	<u>1 Information and Communication Technology (ICT) II or 1 Science, Technology, Engineering &amp; Mathematics (STEM) or 1 Technology Foundations</u> <del>1 Computer Discovery</del> or ½ Keyboarding and ½ Computer Applications <sup>10</sup>
<b>THE ARTS</b>	1	Any approved 500.000 course or completion of the 2-course sequence for Computer Graphics Technology I and II

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<b>ELECTIVES</b>	<b>5<sup>11</sup></b>	
<b>TOTAL UNITS REQUIRED</b>	<b>24</b>	

# MISSISSIPPI PUBLIC SCHOOL ACCOUNTABILITY STANDARDS, 2012

## APPENDIX A-2 (Continued)

### GRADUATION REQUIREMENTS STANDARD 20 SENIORS OF SCHOOL YEAR 2011-2012 (Entering ninth graders in 2008-2009, and thereafter)

<sup>1</sup>Compensatory English, Compensatory Reading, and Compensatory Writing may not be included in the four English courses required for graduation; however, these courses may be included in the 5 general electives required for graduation. Beginning school year 2014-2015, Compensatory English may only be taken if a credit-bearing English course is taken in the same school year. Accelerated English 9 can be accepted in lieu of English I. Accelerated English 10 and AP English Language Composition can be accepted in lieu of English II. Beginning school year 2010-2011 for all entering ninth graders, English I is a required prerequisite course for English II. English I may not be taken after a student completes English II.

<sup>2</sup>Compensatory Mathematics, Introduction to Engineering, and any developmental mathematics course may not be included in the four mathematics courses required for graduation; however, these courses may be included in the 5 general electives required for graduation. Beginning school year 2014-2015, Compensatory Mathematics may only be taken if a credit-bearing Math course is taken in the same school year. Effective with the eighth graders of 2008-2009, Pre-Algebra and Transition to Algebra may not be taken after a student completes Math 8 cannot be taken after Algebra I or Integrated Math I. Beginning school year 2007-2008 for all entering eighth graders, at least two of the four required mathematics courses must be higher than Algebra I or Integrated Math I. Effective with ninth graders of 2010-2011, Survey of Mathematical Topics may not be included in the two math courses higher than Algebra I. The allowable mathematics courses that can be taken which are higher than Algebra I or Integrated Math I are: Geometry, Integrated Math II, Algebra II, Integrated Math III, CCSS Advanced Math Plus, Algebra III, SREB Math Ready, Advanced Algebra, Trigonometry, Pre-Calculus, Calculus, AP Calculus AB, AP Calculus BC, Discrete Mathematics, Statistics, and AP Statistics. Advanced Algebra, Trigonometry, Pre-Calculus, Discrete Mathematics, and Statistics meet this requirement if taken prior to the 2015-2016 school year. MYP Geometry, MYP Algebra II, IB-DP Mathematics I, IB-DP Mathematics II, IB-DP Mathematical Studies I, IB-DP Mathematical Studies II are allowable mathematics courses higher than Algebra I for IB students. One of the four required mathematics units may be in Drafting if the student completes the 2-course sequence for Drafting I & II. One of the four required mathematics units may be in Survey of Mathematical Topics; however this course does not meet the mathematics requirement for admission to institutions of higher learning. Effective with the eighth graders of 2004-2005, Pre-Algebra, Transition to Algebra, and Algebra I, may be taken in the eighth grade for Carnegie unit credit. Pre-Algebra and Transition to Algebra are no longer available after the 2013-2014 school year. Carnegie units may be earned by seventh and eighth graders effective with school year 2014-2015 for the following courses: CCSS Compacted Math Grade 7, CCSS Compacted Math Grade 8/Integrated Math I, and CCSS Math Grade 8/Algebra I (Traditional). Effective with the eighth graders of 2008-2009, Geometry may be taken in the eighth grade for Carnegie unit credit. ~~Effective with eighth graders of school year 2013-14, Mississippi Studies and Geography may be taken in the eighth grade for Carnegie unit credit.~~

Effective with 7<sup>th</sup> graders of 2012-13, Pre-Algebra, Algebra I, Biology I, ICT II (Information & Communication Technology) and first year Foreign Language may be taken in the 7<sup>th</sup> grade for Carnegie unit credit provided the course content is the same as the high school course. Effective with 8<sup>th</sup> graders of 2012-2013, STEM (Science, Technology, Engineering & Mathematics) and second year Foreign Language may be taken in the 8<sup>th</sup> grade for Carnegie unit credit provided the course content is the same as the high school course. Effective with 8<sup>th</sup> graders of 2013-2014, Introduction to Agriscience may be taken for Carnegie unit credit provided the course content is the same as the high school course.

<sup>3</sup> One unit may be in Concepts of Agriscience or Introduction to Agriscience, and a second unit may be earned by ~~in~~-completing 2 of the following 3 courses: Science of Agriculture Plants, Science of Agriculture Animals, Science of Agricultural Environment. Two units may be in the following courses if the student completes the required course sequence ending with Agriscience II, Allied Health II, Aquaculture II, Forestry II, Plastics and Polymer Science II, Technology Applications II, Robotics/Engineering II, Polymer Science II or Careers in Polymer Science, Horticulture II or Horticulture Landscape and Turfgrass, Engineering II or Applied Engineering Concepts,



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Health Sciences II or Workplace and Employment Skills in Health Sciences. Beginning school year 2008-2009 for all entering eighth graders, one unit must be a lab-based physical science. The allowable lab-based physical science courses are Physical Science, Chemistry, AP Chemistry, Physics, AP Physics B, AP Physics C – Electricity and Magnetism, ~~and AP Physics C – Mechanics, Polymer Science II, and Robotics/Engineering II.~~ IB-DP Physics I, IB-DP Physics II, MYP Chemistry, and IB-DP Chemistry may be accepted as allowable lab-based physical science courses for students enrolled in the IB program. MYP Biology and IB-DP Biology I may be accepted in lieu of the Biology I requirement for students enrolled in an IB program. Effective with school year 2013-14, up to two (2) of the four (4) required science units (excluding Biology I) may be earned by completing Agriculture and Natural Resources I & II. One (1) credit allowed shall be awarded for Biology II, and one-half (½) credit shall be awarded for Botany, and one-half (½) credit shall be awarded for Field Experiences in Science. Effective with eighth graders of school year 2013-14, Introduction to Agriscience may be taken in the eighth grade for Carnegie unit credit.

~~<sup>4</sup> Based on the 2004 Mississippi Social Studies framework, Advanced Placement Human Geography is accepted in lieu of the required Geography course. A.P. United States History can be accepted in lieu of the required U.S. History from 1877 to Present course. A.P. World History can be accepted in lieu of the required World History from 1795 to Present course. A.P. Government and Politics: United States can be accepted in lieu of the required United States Government course. A.P. Macroeconomics or A.P. Microeconomics can be taken in lieu of the required Economics course. MYP World Geography is accepted in lieu of the required Geography course for students enrolled in the IB program. Advanced placement U.S. History is accepted in lieu of the required U.S. History from 1877 to Present. IB-DP History of the Americas I is accepted in lieu of the required U.S. History Course for students enrolled in the IB program. IB-DP History of the Americas II is accepted in lieu of the required Mississippi Studies, Economics, and/or U.S. Government courses for students enrolled in the IB program. MYP U.S. Government is accepted in lieu of the required Government course for students enrolled in the IB program. AP European History or AP World History can be accepted in lieu of World History.~~

**Based on the 2011 Mississippi Social Studies framework, A.P. World History can be accepted in lieu of the required World History from the Age of Enlightenment to Present course. A.P. United States History can be accepted in lieu of the required U.S. History from Post-reconstruction to Present course. A.P. Government and Politics: United States can be accepted in lieu of the required United States Government course. A.P. Macroeconomics or A.P. Microeconomics can be taken in lieu of the required Economics course. A.P. Human Geography can be accepted in lieu of the required Geography course. MYP World Geography is accepted in lieu of the required Geography course for students enrolled in the IB program. IB-DP History of the Americas I is accepted in lieu of the required U.S. History course for students enrolled in the IB program. IB-DP History of the Americas II is accepted in lieu of the required Mississippi Studies, Economics, and/or U.S. Government courses for students enrolled in the IB program. MYP U.S. Government is accepted in lieu of the required Government course for students enrolled in the IB program. Effective with eighth graders of school year 2013-14, Mississippi Studies and Geography may be taken in the eighth grade for Carnegie unit credit.**

<sup>5</sup> Credit earned for Business Fundamentals or Business Fundamentals II may be accepted in lieu of ½ unit in Economics.

<sup>6</sup> The credit earned for a State/Local Government course in any other state by an out-of-state transfer student who enters after the sophomore year can stand in lieu of Mississippi Studies or Mississippi State and Local Government. If the transfer student took a State/Local Government course in a grade level that did not award Carnegie unit credit, then any other ½ unit social studies course may be accepted. An out-of-state student who transfers after the junior year may substitute any other ½ unit social studies course.

<sup>7</sup> Credit earned in Allied Health I, Health Sciences I, or Theory and Application of Health Sciences I, may be accepted in lieu of ~~of Comprehensive Health or Family and Individual Health~~ Contemporary Health to meet the graduation requirement for ½ Carnegie unit in Health.

<sup>8</sup> Successful completion of JROTC I and JROTC II may be accepted in lieu of ~~Comprehensive Health or Family and Individual Health~~ Contemporary Health to meet the graduation requirement for ½ Carnegie unit in Health beginning in the 2010-2011 school year and thereafter.

## MISSISSIPPI PUBLIC SCHOOL ACCOUNTABILITY STANDARDS, 2012

<sup>9</sup> Comprehensive Health or Family and Individual Health meet the health requirement if taken prior to the 2013-2014 school year. The graduation requirement for ½ unit in physical education may include participation in interscholastic athletic activities, band, dance and JROTC that meet the instructional requirements specified in the *Fitness through Physical Education Framework* and that are sanctioned by the Mississippi High School Activities Association.

<sup>10</sup> Evidence of proficiency in technology is accepted in lieu of the required courses if the student earns one unit in a technology-rich academic or career technical course related to their program of study. Effective with school year 2012-2013, a Carnegie unit credit for ICT II (Information & Communication Technology) may be awarded to 7<sup>th</sup> grade students. Effective with school year 2012-2013, a Carnegie unit credit for STEM (Science, Technology, Engineering & Mathematics) may be awarded to 8<sup>th</sup> grade students. ICT II may be accepted in lieu of Computer Discovery. A Carnegie unit earned for STEM in the 8<sup>th</sup> or 9<sup>th</sup> grade meets this graduation requirement. Technology Foundations replaces Computer Discovery, Keyboarding and Computer Applications and meets this graduation requirement when taken in grades 8-12. MYP Computer Discovery may be accepted in lieu of Computer Discovery for students enrolled in an IB program. Computer Discovery meets this requirement if taken prior to the 2012-2013 school year.

<sup>11</sup> Only one elective unit in physical education including participation in interscholastic athletic activities, band, performance choral, dance or JROTC that meet the instructional requirements specified in the *Fitness through Physical Education Framework* and that are sanctioned by the Mississippi High School Activities Association may be applied each year to the minimum 24 required state units. If a local district has graduation requirements above the state requirements they may award additional credits as outlined in the local Board policy.

MISSISSIPPI PUBLIC SCHOOL ACCOUNTABILITY STANDARDS, 2012

APPENDIX A-3

GRADUATION REQUIREMENTS  
STANDARD 20

CAREER PATHWAY OPTION  
SENIORS OF SCHOOL YEAR 2011-2012  
(Entering eleventh graders in 2010-2011)

In 2010, Mississippi state policymakers passed legislation to create multiple pathways to a standard diploma. The 2010 legislative actions created a career pathway to a standard diploma, with the goal of improving Mississippi graduation rates and providing students with career and technical training that prepares students for postsecondary credential or certification programs and employable workplace skills. This legislative change created Section 37-16-17, *Mississippi Code-Code of 1972*, as amended to provide for high school career option programs and career track curricula for students not wishing to pursue a baccalaureate degree.

CURRICULUM AREA	CARNEGIE UNITS	REQUIRED SUBJECTS
ENGLISH	4 <sup>1</sup>	English I English II
MATHEMATICS	3 <sup>2</sup>	Algebra I <u>or Integrated Math I</u>
SCIENCE	3 <sup>3</sup>	Biology I
SOCIAL STUDIES	3 <sup>4,5</sup>	1 U.S. History ½ U.S. Government ½ Mississippi Studies
HEALTH <u>and or</u> PHYSICAL EDUCATION	½ <sup>6</sup>	<del>½ Comprehensive Health, or ½ Family and Individual Health</del> <u>1/2 Contemporary Health</u> , or ½ Physical Education <sup>10</sup>
CAREER and TECHNICAL	4 <sup>7</sup>	(Selected from Student's Program of Study)
<del>INTEGRATED TECHNOLOGY</del> <u>BUSINESS and TECHNOLOGY</u>	1 <sup>8</sup>	<del>Computer Discovery, Technology Foundations, Information and Communication Technology (ICT) II, Science, Technology, Engineering, and Mathematics (STEM)</del> , or Computer Applications and Keyboarding
<del>ADDITIONAL</del> ELECTIVES	2 ½ <sup>9</sup>	Courses selected from the student's approved program of study
TOTAL UNITS REQUIRED	21	

NOTE: Mississippi's Institution of Higher Learning requirements differ from minimum graduation requirements for this diploma pathway.

# MISSISSIPPI PUBLIC SCHOOL ACCOUNTABILITY STANDARDS, 2012

## GRADUATION REQUIREMENTS

### Standard 20

#### Career Pathway Option

#### SENIORS OF SCHOOL YEAR 2011-2012

(Entering eleventh graders 2010-2011)

<sup>1</sup> Compensatory English, Compensatory Reading, and Compensatory Writing shall not be included in the four English courses required for graduation. Beginning school year 2014-2015, Compensatory English may only be taken if a credit-bearing English course is taken in the same school year. The two additional English credits must be from the student's program of study which includes Technical Writing, Creative Writing, English III, English IV, or any college-level dual credit courses.

<sup>2</sup> Compensatory Mathematics may not be included in the three mathematics courses required for graduation. Effective with eighth graders of 2008-2009, Pre-Algebra and Transition to Algebra may not be taken after a student completes Algebra I. Beginning school year 2014-2015, Compensatory Mathematics may only be taken if a credit-bearing Math course is taken in the same school year. Math 8 cannot be taken after Algebra I or Integrated Math I. For students pursuing the Career Pathway Graduation Option, at least one of the required mathematics courses must be above Algebra I or Integrated Math I and selected from the student's program of study. The allowable mathematics courses that can be taken which are higher than Algebra I or Integrated Math I are: Geometry, Integrated Math II, Algebra II, Integrated Math III, CCSS Advanced Math Plus, Algebra III, SREB Math Ready, Survey of Mathematical Topics, Advanced Algebra, Trigonometry, Pre-Calculus, Calculus, AP Calculus AB, AP Calculus BC, Discrete Mathematics, Statistics, and AP Statistics, or any college-level dual credit courses. Survey of Mathematical Topics, Advanced Algebra, Trigonometry, Pre-Calculus, Discrete Mathematics, and Statistics meet this requirement if taken prior to the 2015-2016 school year. Effective with the eighth graders of 2004-2005, Pre-Algebra, Transition to Algebra, and Algebra I, may be taken in the eighth grade for Carnegie unit credit. Effective with the eighth graders of 2008-2009, Geometry may be taken in the eighth grade for Carnegie unit credit. Pre-Algebra and Transition to Algebra are no longer available after the 2013-2014 school year. Carnegie units may be earned by seventh and eighth graders effective with school year 2014-2015 for the following courses: CCSS Compacted Math Grade 7, CCSS Compacted Math Grade 8/Integrated Math I, and CCSS Math Grade 8/Algebra I (Traditional).

<sup>3</sup> For students pursuing the Career Pathway Graduation Option, at least one of the required science courses must be above Biology I and selected from the student's program of study. If a student's program of study allows, one unit may be in Concepts of Agriscience (AEST). A second science unit may be earned by completing a two course sequence selected from the following ~~three~~ options: Science of Agricultural Animals, Science of Agricultural Plants, or Science of Agricultural Environment. Two units may be in the following courses if the student completes the 2-course sequence: Agriscience I & II; Allied Health I & II; Health Science I & II, Aquaculture I & II; Forestry I & II; Horticulture I & II; Polymer Science I & II; Technology Applications I & II and Engineering I & II. Effective with school year 2013-14, up to two (2) of the three (3) required science units (excluding Biology I) may be earned by completing Agriculture and Natural Resources I & II. One (1) credit allowed shall be awarded for Biology II, and one-half (½) credit shall be awarded for Botany, and one-half (½) credit shall be awarded for Field Experiences in Science. Effective with eighth graders of school year 2013-14, Introduction to Agriscience may be taken in the eighth grade for Carnegie unit credit.

<sup>4</sup> Advanced placement U.S. History is accepted in lieu of the required U.S. History ~~1877 to~~ Post-reconstruction to Present. The third social studies credit should be selected based on the student's program of study.

<sup>5</sup> The credit earned for a State/Local Government course in any other state by an out-of-state transfer student who enters after the sophomore year can stand in lieu of Mississippi Studies or Mississippi State and Local Government. If the transfer student took a State/Local Government course in a grade level that did not award Carnegie unit credit, then any other ½ unit social studies course may be accepted. An out-of-state student who transfers after the junior year may substitute any other ½ unit social studies course. Credit earned for Business Fundamentals or Business Fundamentals II may be accepted in lieu of ½ unit in Economics. Effective with eighth

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graders of school year 2013-14, Mississippi Studies, Geography and Introduction to Agriscience may be taken in the eighth grade for Carnegie unit credit.

<sup>6</sup> Credit earned in Allied Health I/Health Science I may be accepted in lieu of ~~Comprehensive Health or Family and Individual Health~~ Contemporary Health to meet the graduation requirement for ½ Carnegie unit in Health. Interscholastic athletic activities, band, and ROTC if they meet the instructional requirements specified in the *Fitness through Physical Education Framework* may also be accepted.

<sup>7</sup> Career and Technical (CTE) courses must be based on the student's program of study and should include dual credit/dual enrollment options as found in Section 37-15-38 of the Mississippi Code of 1972.

<sup>8</sup> Evidence of proficiency in technology is accepted in lieu of the required courses if the student earns one unit in a technology-rich academic or career technical course related to their program of study.

<sup>9</sup> Electives must be selected from courses related to the student's program of study. Credits earned not approved for that student's program of study will not be counted toward graduation requirements.

<sup>10</sup> Comprehensive Health or Family and Individual Health meet the health requirement if taken prior to the 2013-2014 school year.

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**APPENDIX A-4**

**GRADUATION REQUIREMENTS  
MISSISSIPPI EARLY EXIT DIPLOMA**

**SENIORS OF SCHOOL YEAR 2013-2014  
(Entering ninth graders in 2011-2012)**

Qualification for a Mississippi Early Exit Diploma signifies to students that they are ready to do college-level work without remediation and opens up a variety of education and career pathways within and beyond high school.

In order to qualify for a Mississippi Early Exit Diploma, in addition to earning the Carnegie Units listed below students must meet college and career qualification scores in all core content areas on a series of end-of-course exams and/or the required benchmarks for college readiness on the ACT or Institution of Higher Learning (IHL) approved college entrance exam.

<b>CURRICULUM AREA</b>	<b>CARNEGIE UNITS</b>	<b>REQUIRED SUBJECTS</b>
<b>ENGLISH</b>	<b>2</b>	English II (Equivalent Course)
<b>MATHEMATICS</b>	<b>3</b>	Algebra I (Equivalent Course)
<b>SCIENCE</b>	<b>2</b>	Biology I (Equivalent Course)
<b>SOCIAL STUDIES</b>	<b>2.5</b>	1 World History 1 U.S. History (Equivalent Courses) ½ Mississippi Studies
<b>HEALTH <del>AND</del> <u>and</u> PHYSICAL EDUCATION</b>	<b>1</b>	Any combination of <del>health</del> <u>Health</u> and Physical Education
<b>BUSINESS <del>&amp;</del> <u>and</u> TECHNOLOGY</b>	<b>1</b>	<u>Technology Foundations; Information and Communication Technology (ICT) II; or Science, Technology, Engineering, and Mathematics (STEM) ICT II/STEM/Technology Discovery</u>
<b>THE ARTS</b>	<b>1</b>	Any approved 500.000 course or completion of the 2-course sequence for Computer Graphics Technology I and II
<b>ELECTIVES</b>	<b>5</b>	(Should focus on college admission or national certification requirements)
<b>TOTAL UNITS REQUIRED</b>	<b>17.5</b>	

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**EQUIVALENCY CHART FOR INNOVATIVE PROGRAMS AUTHORIZED BY  
THE STATE BOARD OF EDUCATION**

**Equivalency Curriculum Chart for MS Tested Areas**

MS Curriculum	Cambridge	Innovative High School	Quality Core ACT
Algebra I <u>or</u> <u>Integrated Math I</u>	Cambridge IGCSE Mathematics <u>I</u> <u>Or</u> Cambridge IGSE Extended Sequence	Integrated Mathematics <u>II</u>	ACT Quality Core Algebra I
Biology I	Coordinated Science I <u>Or</u> Cambridge IGCSE Biology	Integrated Science II	ACT Quality Core Biology I
English I	Cambridge IGCSE English Language	Integrated English Language II	ACT Quality Core English II
US History	Cambridge IGCSE American History	Integrated History III	ACT Quality Core American History

**Equivalency Test Chart for MS Tested Areas**

MS Curriculum	Cambridge	Innovative High School	Quality Core ACT
Algebra I	Cambridge Mathematics End of Sequence Test	PLAN or ACT	ACT Quality Core Algebra I EOC Test
Biology I	Coordinated Science I or Cambridge IGCSE Biology End of Course (EOC) Test	PLAN or ACT	ACT Quality Core Biology I EOC Test
English I	Cambridge IGCSE English Language EOC Test	PLAN or ACT	ACT Quality Core English II EOC Test
US History	Cambridge IGCSE American History EOC Test	PLAN or ACT	ACT Quality Core American History EOC Test

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APPENDIX B

REQUIRED COURSES IN THE CURRICULUM OF EACH SECONDARY SCHOOL  
STANDARD 32

Effective Beginning School Year ~~2007-2008~~2014-2015

CURRICULUM AREA	COURSES	UNITS	TOTAL UNITS
ENGLISH	English I English II English III English IV	1 1 1 1	4
MATHEMATICS	<del>Algebra I</del> <u>or Integrated Math I</u> <del>Algebra II</del> Geometry <u>or Integrated Math II</u> <del>Algebra II</del> <u>or Integrated Math III</u> Pre-Algebra Transition to Algebra Elective Mathematics Courses	1 1 1 1 1 1 1 1 1 1 1 1 1	<del>6</del> <u>6</u> <u>5</u>
SCIENCE	Biology I Chemistry Physics <sup>1</sup> Elective Science Courses <sup>2</sup>	1 1 1 3 <sup>2</sup>	6
SOCIAL STUDIES	U.S. History U.S. Government Mississippi Studies World History Economics Intro to Geography	1 ½ ½ 1 ½ ½	4
BUSINESS & TECHNOLOGY	<del>Computer Discovery</del> <del>Technology Foundations or Information and Communication Technology (ICT) II</del> <del>Science, Technology, Engineering, and Mathematics (STEM)</del> <sup>or</sup> ½ Keyboarding and ½ Computer Applications Personal Finance <sup>3</sup>	1 ½ <sup>3</sup>	1½
HEALTH	<del>Comprehensive Health or Family and Individual Health Physical Education</del> <del>Contemporary Health</del>	½ ½	1
THE ARTS	Any approved 500.00 course	1	1
FAMILY & CONSUMER SCIENCE	Family Dynamics	½	½
<del>VOCATIONAL EDUCATION</del> <u>CAREER &amp; TECHNICAL</u>	Any combination of courses <sup>4</sup>	4 <sup>4</sup>	4
ADVANCED PLACEMENT	At least one (1) advanced placement course in each of the four (4) core areas.	1 <sup>5, 6</sup>	4

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5, 6	AP course in Mathematics AP course in Science AP course in Language Arts AP course in Social Studies	1 <sup>5, 6</sup> 1 <sup>5, 6</sup> 1 <sup>5, 6</sup>	
<b>ELECTIVES</b>	Foreign Language (IHL) <i>or</i> Advanced World Geography (IHL) Any other Elective	1 ½	1½
<b>TOTAL UNITS REQUIRED</b>			<b>33-32 ½</b>

**APPENDIX B (Continued)**

**REQUIRED COURSES IN THE CURRICULUM OF EACH SECONDARY SCHOOL  
STANDARD 32**

**Effective Beginning School Year 2007-2008**

<sup>1</sup> Includes Physics, AP Physics B, AP Physics C—Electricity and Magnetism, and AP Physics C—Mechanics.

<sup>2</sup> Two of the three elective science units may be offered through the following courses: Introduction to Agriscience, Concepts of Agriscience, Science of Agricultural Plants, Science of Agricultural Animals, or Science of Agricultural Environment, Agriscience I & II, Allied Health I & II, Aquaculture I & II, Forestry I & II, Horticulture I & II, Plastics and Polymer Science I & II, ~~and Technology Applications I & II~~, Agriculture and Natural Resources I & II, and Robotics/Engineering I & II.

<sup>3</sup> ~~One unit in Agribusiness and Entrepreneurship Technology or~~ ½ unit in Financial Technology, ½ unit in Resource Management, or ½ unit in National Endowment for Personal Finance may be offered in lieu of ½ unit in Personal Finance.

<sup>4</sup> Includes Agriculture; Business Technology; Cooperative and Marketing Education; Family and Consumer Sciences; Health Education; Home Economics, Lodging and Hospitality; Technology Education; and Trade and Industrial.

<sup>5</sup> A school offering the International Baccalaureate program is exempted.

<sup>6</sup> Distance learning or approved MS Virtual Public School courses may be used as an appropriate alternative for the delivery of these required Advanced Placement (AP) courses.

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**APPENDIX C-1**

**REQUIREMENTS FOR ADMISSION TO  
INSTITUTIONS OF HIGHER LEARNING (IHL) PUBLIC UNIVERSITIES IN MISSISSIPPI  
STANDARD 32**

**APPENDIX C-1**

<b>CURRICULUM AREA</b>	<b>COURSES</b>	<b>UNITS</b>
<b>ENGLISH</b>		4 <sup>1</sup>
<b>MATHEMATICS<sup>2</sup></b>	Algebra I <sup>3&amp;8</sup> Geometry Algebra II	3
<b>SCIENCE</b>	<b>SELECT 3 UNITS FROM THE FOLLOWING LIST:</b>  Physical Science <sup>4</sup> Biology Advanced Biology Chemistry Advanced Chemistry Physics Advanced Physics Or any other science course with comparable content and rigor <u>as approved by MDE</u>	3 (2 lab-based)
<b>SOCIAL STUDIES</b>	U.S. History World History U.S. Government (½) Economics (½) <i>or</i> Geography (½)	3
<b>COMPUTER EDUCATION</b>	<u>Technology Foundations or Information and Communication Technology (ICT) II</u> <u>Science, Technology, Engineering, and Mathematics (STEM)</u> Computer Applications <sup>5</sup>	½
<b>ADVANCED ELECTIVES</b>	<b>SELECT 2 UNITS<sup>6</sup> FROM THE FOLLOWING LIST:</b>  Foreign Language <sup>3</sup> World Geography 4 <sup>th</sup> year lab-based Science 4 <sup>th</sup> year Mathematics	2
<b>TOTAL UNITS REQUIRED</b>		15½ <sup>7</sup>

<sup>1</sup> Courses must require substantial communication skills.

<sup>2</sup> A fourth class in higher-level mathematics is highly recommended.

<sup>3</sup> Pre-high school units: Algebra I or first-year Foreign Language taken prior to high school will be accepted for admission, provided course content is the same as the high school course.

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- <sup>4</sup> One Carnegie unit from a Physical Science course with content at a level that may serve as an introduction to Physics and Chemistry may be used.
- <sup>5</sup> This course should include use of application packages such as word processing and spread sheets. The course should also include basic computer terminology and hardware operation.
- <sup>6</sup> One of the two units must be in Foreign Language or World Geography.
- <sup>7</sup> Limited exceptions to high school unit requirements may be available. For more information contact the Office of Admissions. Admission requirements are subject to change without notice at the direction of the Board of Trustees of the Mississippi Institutions of Higher Learning.
- <sup>8</sup> A secondary math equivalency chart is provided below.

### Equivalency Curriculum Chart for Secondary Mathematics

**NOTE:** Jean Massey is working to get Cambridge equivalency information from Lee Childress.

<u>Traditional Model</u>	<u>Integrated Model</u>	<u>Cambridge</u>	<u>Quality Core ACT</u>
<u>Algebra I</u>	<u>Integrated Mathematics I</u>	<u>Cambridge IGCSE Mathematics I or Cambridge Mathematics I Extended Sequence</u>	<u>ACT Quality Core Algebra I</u>
<u>Geometry</u>	<u>Integrated Math II</u>	<u>Cambridge IGCSE Mathematics I or Cambridge Mathematics I Extended Sequence</u>	<u>ACT Quality Core Geometry</u>
<u>Algebra II</u>	<u>Integrated Math III</u>	<u>Cambridge IGCSE Mathematics II or Cambridge Mathematics II Extended Sequence</u>	<u>ACT Quality Core Algebra II</u>

MISSISSIPPI PUBLIC SCHOOL ACCOUNTABILITY STANDARDS, 2012

APPENDIX C-2

COLLEGE PREPARATORY RECOMMENDED CURRICULUM FOR ADMISSION  
TO INSTITUTIONS OF HIGHER LEARNING (IHL)  
PUBLIC UNIVERSITIES IN MISSISSIPPI  
STANDARD 32

CURRICULUM AREA	COURSES	UNITS
ENGLISH		4 <sup>1</sup>
MATHEMATICS	Algebra I <sup>2&amp;5</sup> , Geometry, Algebra II, and any one Carnegie Unit of comparable rigor and content (e.g., Advanced Algebra, Trigonometry, Pre-Calculus, Calculus, AP Calculus AB, AP Calculus BC, Discrete Mathematics, Probability and Statistics, or AP Statistics)	4
SCIENCE	Biology I, Chemistry I, and any two Carnegie Units of <b>comparable rigor and content-comparable content and rigor as approved by MDE</b> (e.g., Physics, Physical Science, Biology II, Chemistry II, AP Chemistry, Physics II, AP Physics B, AP Physics C – Electricity and Magnetism, AP Physics C – Mechanics, Botany, Microbiology, or Human Anatomy and Physiology)	4
SOCIAL STUDIES	World History, U.S. History, Introduction to World Geography, U.S. Government, Economics, and/or Mississippi Studies <sup>2</sup> (Credit earned for a state/local government course in any other state may stand in lieu of Mississippi Studies.)	4
ARTS	Any visual and/or performing arts course(s), meeting the requirements for high school graduation.	1
ADVANCED ELECTIVES	Foreign Language I <sup>2</sup> and II, Advanced World Geography and a Foreign Language I or any combination of English, mathematics, or lab-based science courses of comparable rigor and content to those required above.	2
COMPUTER APPLICATIONS	<b>Technology Foundations or Information and Communication Technology (ICT) II</b> <b>Science, Technology, Engineering, and Mathematics (STEM)</b> Computer Applications <sup>3</sup>	½
<b>TOTAL UNITS REQUIRED</b>		<b>19½<sup>4</sup></b>

<sup>1</sup> Courses must require substantial communication skills. Compensatory English, Compensatory Reading, and Compensatory Writing may not be included.

<sup>2</sup> Pre-high school units: Algebra I, first year Foreign Language, or Mississippi Studies taken prior to high school will be accepted for admission provided the course content is the same as the high school course.

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- <sup>3</sup> Course should emphasize the computer as a productivity tool. Instruction should include the use of application packages, such as word processing and spreadsheets. The course should also include basic computer terminology and hardware operation.
- <sup>4</sup> Limited exceptions to high school unit requirements may be available. For more information contact the Office of Admissions. Admission requirements are subject to change without notice at the direction of the Board of Trustees of the Mississippi Institutions of Higher Learning.
- <sup>5</sup> A secondary math equivalency chart is provided below.

NOTE: Jean Massey is working to get Cambridge equivalency information from Lee Childress.

### Equivalency Curriculum Chart for Secondary Mathematics

<u>Traditional Model</u>	<u>Integrated Model</u>	<u>Cambridge</u>	<u>Quality Core ACT</u>
<u>Algebra I</u>	<u>Integrated Mathematics I</u>	<u>Cambridge IGCSE Mathematics I or Cambridge Mathematics I Extended Sequence</u> <u>Cambridge IGCSE Mathematics Extended Sequence</u>	<u>ACT Quality Core Algebra I</u>
<u>Geometry</u>	<u>Integrated Math II</u>	<u>Cambridge IGCSE Mathematics I or Cambridge Mathematics I Extended Sequence</u>	<u>ACT Quality Core Geometry</u>
<u>Algebra II</u>	<u>Integrated Math III</u>	<u>Cambridge IGCSE Mathematics II or Cambridge Mathematics II Extended Sequence</u>	<u>ACT Quality Core Algebra II</u>