

Current Policy

Title 28

EDUCATION

Part CXV. Bulletin 741—Louisiana Handbook for School Administrators

Chapter 23. Curriculum and Instruction

§2318. The TOPS University Diploma

A. Curriculum Requirements

1. For incoming freshmen in 2008-2009 through 2013-2014, the 24 units required for the college diploma shall include 16 required units and 8 elective units for the Louisiana Basic Core curriculum, or 21 required units and 3 elective units for the Louisiana Core 4 curriculum; the elective units can be earned at technical colleges as provided in §2389. For incoming freshmen in 2010-2011 through 2013-2014, students completing the basic core curriculum must complete a career area of concentration or a Jump Start program to earn a high school diploma.

2. For incoming freshmen in 2008-2009 through 2013-2014, all ninth graders in the college and career diploma pathway will be enrolled in the Louisiana Core 4 Curriculum.

B. Assessment Requirements

1. For incoming freshmen prior to 2010-2011, students must pass the English language arts and mathematics components of the GEE or LEAP Alternate Assessment, Level 2 (LAA 2) and either the science or social studies portions of GEE or LAA 2. For students with disabilities who have passed two of the three required components of the GEE or LAA 2 and have exhausted all opportunities available through the end of the twelfth grade to pass the remaining required GEE or LAA 2 component, that GEE or LAA 2 component may be waived by the State Superintendent of Education if the Department of Education determines the student's disability significantly impacts his/her ability to pass the GEE or LAA 2 component.

a. Only students with disabilities eligible under IDEA who meet the LAA 2 participation criteria and entered high school during or prior to the 2013-2014 school year may take the LAA 2.

b. The English language arts and mathematics components of GEE or LAA 2 shall first be administered to students in the tenth grade.

c. The science and social studies components of the GEE or LAA 2 shall first be administered to students in the eleventh grade.

2. For incoming freshmen in 2010-2011 and beyond, students must meet the assessment requirements below to earn a standard diploma.

a. Students must pass three end-of-course tests in the following categories:

i. English II or English III;

ii. algebra I or geometry;

iii. biology or American history.

b. Students with disabilities identified under IDEA who meet the LAA 2 participation criteria and entered high school during or prior to the 2013-2014 school year may meet the assessment requirements by passing the English language areas and mathematics components of the LAA 2 and either the science or social studies component of LAA 2.

3. Students enrolled in a course for which there is an EOC test must take the EOC test.

a. The EOC test score shall count a percentage of the student's final grade for the course.

b. The percentage shall be between 15 percent and 30 percent inclusive, and shall be determined by the LEA.

i. For students with disabilities identified under IDEA who meet the participation criteria found in *Bulletin 1530—Louisiana's IEP Handbook for Students with Exceptionalities*: §405.B and R.S. 17:183.2, the EOC test score shall count for 5 percent of the students' final grade for the course.

c. The grades assigned for the EOC test achievement levels shall be as follows.

EOC Achievement Level	Grade
Excellent	A
Good	B
Fair	C
Needs Improvement	D or F

d. The DOE will provide conversion charts for various grading scales used by LEAs.

4. For students with disabilities who have passed two of the three required end-of-course tests or two of the three required components of the LAA 2 and have exhausted all opportunities available through the end of the twelfth grade to pass the remaining required end-of-course test or LAA 2 component, that end-of-course test or LAA 2 component may be waived by the state superintendent of education if the Department of Education determines the student's disability significantly impacts his/her ability to pass the end-of-course test.

5. Remediation and retake opportunities will be provided for students who do not pass the GEE or the end-of-course tests. Students shall be offered 50 hours of remediation each year in each content area they do not pass on the GEE. Students shall be offered 30 hours of remediation each year in each EOC test they do not pass. Refer to Bulletin 1566, guidelines for pupil progression and the addendum to Bulletin 1566, regulations for the implementation of remedial education programs related to the LEAP/CRT program, regular school year.

6. Students may apply a maximum of two Carnegie units of elective credit toward high school graduation by successfully completing specially designed courses for remediation.

a. A maximum of one Carnegie unit of elective credit may be applied toward meeting high school graduation requirements by an eighth grade student who has scored at the *unsatisfactory* achievement level on either the English language arts and/or the mathematics component(s) of the eighth grade LEAP provided the student:

- i. successfully completed specially designed elective(s) for LEAP remediation;
- ii. scored at or above the *basic* achievement level on those component(s) of the 8th grade LEAP for which the student previously scored at the *unsatisfactory* achievement level.

7. Prior to or upon the student's entering the tenth grade, all LEAs shall notify each student and his/her parents or guardians of the requirement of passing GEE, LAA 2, or the end-of-course tests.

a. Upon their entering a school system, students transferring to any high school of an LEA shall be notified by that system of the requirement of passing GEE or the end-of-course tests.

C. Minimum Course Requirements

1. For incoming freshmen in 2008-2009 through 2013-2014 who are completing the Louisiana basic core curriculum, the minimum course requirements for graduation shall be the following.

NOTE: For courses indicated with *, an Advanced Placement (AP) or International Baccalaureate (IB) course designated in §2325 may be substituted.

a. English—4 units:

- i. English I;
- ii. English II;
- iii. English III*;
- iv. English IV* or Senior Applications in English.

b. Mathematics—4 units:

- i. all students must complete one of the following:
 - (a). Algebra I (1 unit);
 - (b). Applied Algebra I (1 unit); or
 - (c). Algebra I-Pt. 1 and Algebra I-Pt. 2 (2 units).
- ii. Geometry or Applied Geometry;
- iii. the remaining unit(s) shall come from the following:
 - (a). Algebra II;
 - (b). Financial Mathematics;
 - (c). Math Essentials;
 - (d). Advanced Math—Pre-Calculus;
 - (e). Advanced Math—Functions and Statistics;
 - (f). Pre-Calculus*;
 - (g). Calculus*;
 - (h). Probability and Statistics*;
 - (i). Discrete Mathematics; or
 - (j). a locally initiated elective approved by BESE as a math substitute.

c. Science—3 units:

- i. 1 unit of Biology*;
- ii. 1 unit from the following physical science cluster:
 - (a). Physical Science;
 - (b). Integrated Science;
 - (c). Chemistry I*;
 - (d). Physics I*;
 - (e). Physics of Technology I;
- iii. 1 unit from the following courses:
 - (a). Aerospace Science;
 - (b). Biology II*;
 - (c). Chemistry II*;
 - (d). Earth Science;
 - (e). Environmental Science*;
 - (f). Physics II*;
 - (g). Physics of Technology II;
 - (h). Agriscience II;
 - (i). Anatomy and Physiology;

- (j). ChemCom;
- (k). an additional course from the physical science cluster; or
- (l). a locally initiated elective approved by BESE as a science substitute;
- iv. students may not take both Integrated Science and Physical Science;
- v. Agriscience I is a prerequisite for Agriscience II and is an elective course.
- d. Social Studies—3 units:
 - i. U.S. History*;
 - ii. Civics* (1 unit) or 1/2 unit of Civics* and 1/2 unit of Free Enterprise;

NOTE: Students entering the ninth grade in 2011-2012 and beyond must have one unit of civics with a section on free enterprise.

- iii. 1 of the following:
 - (a). world history*;
 - (b). world geography*;
 - (c). western civilization*; or
 - (d). AP European history.
- e. Health Education—1/2 unit:
 - i. JROTC I and II may be used to meet the health education requirement. Refer to §2347.
- f. Physical education—1 1/2 units:
 - i. shall include physical education I, or adapted physical education for eligible special education students;
 - ii. a maximum of 4 units of physical education may be used toward graduation.

NOTE: The substitution of JROTC and school sponsored athletic extracurricular activities is permissible.

- g. Electives—8 units:
 - i. shall include the minimum courses required to complete a career area of concentration for incoming freshmen 2010-2011 and beyond.
 - (a). The area of concentration shall include one unit of education for careers, journey to careers, or JAG.
- h. Total—124 units.

2. For incoming freshmen in 2008-2009 through 2013-2014 who are completing the Louisiana Core 4 curriculum, the minimum course requirements shall be the following.

NOTE: For courses indicated with *, an Advanced Placement (AP) or International Baccalaureate (IB) course designated in §2325 may be substituted.

- a. English—4 units:
 - i. English I;
 - ii. English II;
 - iii. English III*;
 - iv. English IV*.
- b. Mathematics—4 units:
 - i. Algebra I, Applied Algebra I, or Algebra I-Pt. 2;
 - ii. Geometry or Applied Geometry;
 - iii. Algebra II;
 - iv. the remaining unit shall come from the following:
 - (a). Financial Mathematics;
 - (b). Math Essentials;
 - (c). Advanced Math—Pre-Calculus;
 - (d). Advanced Math—Functions and Statistics;
 - (e). Pre-Calculus*;
 - (f). Calculus*;
 - (g). Probability and Statistics*;
 - (h). Discrete Mathematics;
 - (i). AP Calculus BC; or
 - (j). a locally initiated elective approved by BESE as a math substitute.
- c. Science—4 units:
 - i. 1 unit of Biology*;
 - ii. 1 unit of Chemistry*;
 - iii. 2 units from the following courses:
 - (a). Physical Science;

- (b). Integrated Science;
 - (c). Physics I*;
 - (d). Physics of Technology I;
 - (e). Aerospace Science;
 - (f). Biology II*;
 - (g). Chemistry II*;
 - (h). Earth Science;
 - (i). Environmental Science;
 - (j). Physics II*;
 - (k). Physics of Technology II;
 - (l). Agriscience II;
 - (m). Anatomy and Physiology;
 - (n). AP Physics C: Electricity and Magnetism;
 - (o). AP Physics C: Mechanics;
 - (p). a locally initiated elective approved by BESE as a science substitute.
- iv. Students may not take both Integrated Science and Physical Science;
 - v. Agriscience I is a prerequisite for Agriscience II and is an elective course;
 - vi. a student completing a career area of concentration may substitute one of the following BESE/Board of Regents approved IBC course from among the primary courses in the student's area of concentration for the fourth required science unit:
 - (a). Nutrition and Foods and Advanced Nutrition and Foods;
 - (b). Food Services II;
 - (c). Allied Health Services II;
 - (d). Dental Assistant II;
 - (e). Emergency Medical Technician-Basic (EMT-B);
 - (f). Health Science II;
 - (g). Medical Assistant II;
 - (h). Sports Medicine III;
 - (i). Advanced Electricity/Electronics;
 - (j). Process Technician II;
 - (k). NCCR Electrical II;
 - (l). Computer Service Technology II;
 - (m). Horticulture II;
 - (n). Networking Basics;
 - (o). Routers and Routing Basics;
 - (p). Switching Basics and Intermediate Routing;
 - (q). WAN Technologies;
 - (r). Animal Science;
 - (s). Biotechnology in Agriscience;
 - (t). Environmental Studies in Agriscience;
 - (u). Equine Science;
 - (v). Forestry;
 - (w). Horticulture;
 - (x). Small Animal Care/Management;
 - (y). Veterinary Assistant;
 - (z). Oracle Academy Course: DB Programming with PL/SQL;
 - (aa). NCCR Electrical II TE; and
 - (bb). NCCR Electricity in Agriscience.
- d. Social Studies—4 units:
 - i. Civics* (1 unit) or 1/2 unit of Civics* and 1/2 unit of Free Enterprise;

NOTE: Students entering the ninth grade in 2011-2012 and beyond must have one unit of Civics with a section on Free Enterprise.

- ii. U.S. History*;
- iii. 1 unit from the following:

- (a). World History*;
 - (b). World Geography*;
 - (c). Western Civilization*; or
 - (d). AP European History;
- iv. 1 unit from the following:
- (a). World History*;
 - (b). World Geography*;
 - (c). Western Civilization*; or
 - (d). AP European History;
 - (e). Law Studies;
 - (f). Psychology*;
 - (g). Sociology;
 - (h). Civics (second semester—1/2 credit);
 - (i). African American Studies; or
 - (j). Economics;
 - (k). AP Economics: Micro;
 - (l). AP Government and Politics: Comparative;
 - (m). AP Government and Politics: U.S.;
 - (n). AP Human Geography;

NOTE: Students may take two half credit courses for the fourth required social studies unit.

v. a student completing a career area of concentration may substitute one of the following BESE/Board of Regents approved IBC course from among the primary courses in the student's area of concentration for the fourth required social studies unit:

- (a). Advanced Child Development;
- (b). Early Childhood Education II;
- (c). Family and Consumer Sciences II;
- (d). ProStart II;
- (e). T and I Cooperative Education (TICE);
- (f). Cooperative Agriculture Education;
- (g). Administrative Support Occupations;
- (h). Business Communication;
- (i). Cooperative Office Education;
- (j). Entrepreneurship—Business;
- (k). Lodging Management II;
- (l). Advertising and Sales Promotion;
- (m). Cooperative Marketing Education I;
- (n). Entrepreneurship—Marketing;
- (o). Marketing Management;
- (p). Marketing Research;
- (q). Principles of Marketing II;
- (r). Retail Marketing;
- (s). Tourism Marketing;
- (t). CTE Internship;
- (u). General Cooperative Education II;
- (v). STAR II.

e. Health Education—1/2 unit:

- i. JROTC I and II may be used to meet the health education requirement. Refer to §2347.

f. Physical Education—1 1/2 units:

- i. shall be Physical Education I and Physical Education II, or Adapted Physical Education for eligible special education students;
- ii. a maximum of 4 units of Physical Education may be used toward graduation.

NOTE: The substitution of JROTC is permissible.

g. Foreign language—2 units:

- i. shall be 2 units in the same foreign language or 2 speech courses.

h. arts—1 unit:

i. 1 unit art (§2333), dance (§2337), media arts (§2354), music (§2355), theatre arts, (§2369), fine arts survey, photography I/II, or digital photography;

NOTE: Students may satisfy this requirement by earning half credits in two different arts courses.

ii. a student completing a career area of concentration may substitute one of the following BESE/Board of Regents approved IBC course from among the primary courses in the student's area of concentration for the fourth required applied art unit:

- (a). clothing and textiles and advanced clothing and textiles;
- (b). NCCR Carpentry II TE;
- (c). NCCR Welding Technology II;
- (d). Advanced Metal Technology;
- (e). Advanced Technical Drafting;
- (f). Architectural Drafting;
- (g). NCCR Carpentry II—T and I;
- (h). NCCR Welding Technology II—T and I;
- (i). Cabinetmaking II;
- (j). Commercial Art II;
- (k). Cosmetology II;
- (l). Culinary Occupations II;
- (m). Custom Sewing II;
- (n). Graphic Arts II;
- (o). Photography II;
- (p). Television Production II;
- (q). Upholstery II;
- (r). Welding II;
- (s). NCCR Carpentry In Agriscience;
- (t). NCCR Welding Technology Agriscience;
- (u). Agriscience Construction Technology;
- (v). Agriscience Power Equipment;
- (w). Floristry;
- (x). Landscape Design and Construction;
- (y). Introduction to Business Computer Applications;
- (z). Accounting II;
- (aa). Business Computer Applications;
- (bb). Computer Multimedia Presentations;
- (cc). Desktop Publishing;
- (dd). Keyboarding Applications;
- (ee). Telecommunications;
- (ff). Web Design I or II;
- (gg). Word Processing; and
- (hh). Digital Media II.

i. Electives—3 units.

j. Total—24 units.

3. For incoming freshmen in 2014-2015 and beyond who are completing the TOPS university diploma, the minimum course requirements shall be the following:

a. English—four units:

i. English I;

ii. English II;

iii. one of the following:

(a). English III;

(b). AP English language arts and composition;

(c). IB literature;

(d). IB language and literature;

(e). IB literature and performance;

- iv. one of the following:
 - (a). English IV;
 - (b). AP English literature and composition;
 - (c). IB literature;
 - (d). IB language and literature;
 - (e). IB literature and performance;

b. mathematics—four units:

- i. algebra I;
- ii. geometry;
- iii. algebra II;

NOTE: Integrated Mathematics I, II, and III may be substituted for the Algebra I, Geometry, and Algebra II sequence.

iv. one of the following:

- (a). algebra III;
- (b). advanced math—functions and statistics;
- (c). advanced math—pre-calculus;
- (d). pre-calculus;
- (e). IB math studies (math methods);
- (f). calculus;
- (g). AP calculus AB;
- (h). IB mathematics SL;
- (i). AP calculus BC;
- (j). AP statistics;
- (k). IB further mathematics HL;
- (l). IB mathematics HL;

c. science—four units:

- i. biology I;
- ii. chemistry I;
- iii. two units chosen from the following

- (a). Earth science;
- (b). environmental science;
- (c). physical science;
- (d). agriscience II—the elective course agriscience I is a pre-requisite;
- (e). one of:
 - (i). chemistry II;
 - (ii). AP chemistry;
 - (iii). IB chemistry I;
 - (iv). IB chemistry II;
- (f). one of:
 - (i). AP environmental science;
 - (ii). IB environmental systems;
- (g). one of:
 - (i). physics I;
 - (ii). IB physics I;
- (h). one of:
 - (i). AP physics C: electricity and magnetism;
 - (ii). AP physics C: mechanics;
 - (iii). IB physics II;
- (i). AP physics I and AP physics II;
- (j). one of:
 - (i). biology II;
 - (ii). AP biology;
 - (iii). IB biology I;

- (iv). IB biology II;
- d. social studies—four units:
 - i. one unit chosen from:
 - (a). U.S. history;
 - (b). AP U.S. history;
 - (c). IB history of the Americas I;
 - ii. one unit chosen from:
 - (a). civics with a section on free enterprise;
 - (b). government; or
 - (c). AP U.S. government and politics: comparative; or
 - (d). AP U.S. government and politics: United States;
 - iii. two units chosen from:
 - (a). one of:
 - (i). European history;
 - (ii). AP European history;
 - (iii). western civilization;
 - (b). one of:
 - (i). world geography;
 - (ii). AP human geography;
 - (iii). IB geography;
 - (c). one of:
 - (i). world history;
 - (ii). AP world history;
 - (iii). IB history of the Americas II;
 - (d). IB economics;
 - (e). economics;
 - (f). AP macroeconomics;
 - (g). AP microeconomics;
- e. foreign Language—two units:
 - i. two units from the same language (§2345);
- f. art—one unit chosen from the following:
 - i. art (§2333);
 - ii. music (§2355);
 - iii. dance (§2337);
 - iv. theatre (§2369);
 - v. speech III and IV—one unit combined;
 - vi. fine arts survey;
 - vii. drafting;
 - viii. media arts (§2354);
 - ix. photography I/II;
 - x. digital photography;
- g. physical education—1 1/2 units. They shall include:
 - i. physical education I and II;
 - ii. adapted physical education I and II for eligible special education students;
 - iii. JROTC I, II, III, or IV; or
 - iv. physical education I (1 unit) and 1/2 unit of marching band, extracurricular sports, cheering, or dance team;
- h. health education—1/2 unit;
- i. electives—three units;
- j. total—24 units.

4. High School Area of Concentration

- a. All high schools shall provide students the opportunity to complete an area of concentration with an academic focus and/or a career focus.

- i. Incoming freshmen prior to 2008-2009 can complete an academic area of concentration by completing the current course requirements for the Taylor Opportunity Program for Students (TOPS) Opportunity Award.
- ii. Incoming freshmen in 2008-2009 through 2013-2014 can complete an academic area of concentration by completing the course requirements for the LA Core 4 curriculum.
- iii. To complete a career area of concentration, students shall meet the minimum requirements for graduation including four elective primary credits in the area of concentration and two related elective credits, including one computer/technology course. Areas of concentration are identified in the career options reporting system with each LEA designating the career and technical education areas of concentration offered in their school system each year. The following computer/technology courses can be used to meet this requirement.

Course	Credit
Computer/Technology Literacy	1
Computer Applications or Business Computer Applications	1
Computer Architecture	1
Computer Science I, II	1 each
Computer Systems and Networking I, II	1 each
Desktop Publishing	1
Digital Graphics and Animation	1/2
Multimedia Presentations	1/2 or 1
Web Mastering or Web Design	1/2
Independent Study in Technology Applications	1
Word Processing	1
Telecommunications	1/2
Introduction to Business Computer Applications	1
Technology Education Computer Applications	1
Advanced Technical Drafting	1
Computer Electronics I, II	1 each
Database Programming with PL/SQL	1
Java Programming	1
Database Design and Programming	1/2
Digital Media I, II	1 each

5. Academic Endorsement

a. Graduating seniors who entered the 9th grade prior to 2014-2015 and satisfy the following performance indicators shall be eligible for an academic endorsement to the college and career diploma.

i. Students graduating in 2011-2012 through 2016-2017 shall complete the following curriculum requirements or the TOPS core curriculum.

NOTE: For courses indicated with *, an Advanced Placement (AP) or International Baccalaureate (IB) course designated in §2325 may be substituted.

(a). English—4 units:

- (i). English I;
- (ii). English II;
- (iii). English III*;
- (iv). English IV*.

(b). Mathematics—4 units:

- (i). Algebra I or Algebra I-Pt. 2;
- (ii). Geometry;
- (iii). Algebra II;
- (iv). The remaining unit shall come from the following:
 - [a]. Advanced Math—Pre-Calculus;
 - [b]. Advanced Math—Functions and Statistics;
 - [c]. Pre-Calculus*;
 - [d]. Calculus*;
 - [e]. Probability and Statistics*;
 - [f]. Discrete Mathematics; or
 - [g]. AP Calculus BC.

(c). Science—4 units:

- (i). Biology*;
- (ii). Chemistry*;
- (iii). 1 units of advanced science from the following courses: Biology II*, Chemistry II*, Physics*, or Physics II*;
- (iv). 1 additional science course.

(d). Social Studies—4 units:

- (i). Civics* (1 unit) or 1/2 unit of Civics* and 1/2 unit of Free Enterprise;

NOTE: Students entering the ninth grade in 2011-2012 and beyond must have one unit of Civics with a section on Free Enterprise.

- (ii). U.S. History*;

(iii). 1 unit from the following:

- [a]. World History*;
- [b]. World Geography*;
- [c]. Western Civilization*;
- [d]. AP European History;

(iv). 1 unit from the following:

- [a]. World History*;
- [b]. World Geography*;
- [c]. Western Civilization;
- [d]. AP European History;
- [e]. Law Studies;
- [f]. Psychology*;
- [g]. Sociology;
- [h]. African American Studies;
- [i]. Economics;
- [j]. AP Economics: Micro;
- [k]. AP Government and Politics: Comparative;
- [l]. P Government and Politics: US; or
- [m]. AP Human Geography.

(e). Health Education—1/2 unit:

- (i). JROTC I and II may be used to meet the Health Education requirement. Refer to §2347.

(f). Physical Education—1 1/2 units:

(i). shall be Physical Education I and Physical Education II, or Adapted Physical Education for eligible special education students.

NOTE: The substitution of JROTC is permissible

(g). Foreign Language—2 units:

- (i). shall be 2 units in the same foreign language.

(h). Arts—1 unit:

(i). shall be 1 unit from (§2333), Dance (§2337), Media Arts (§2354), Music (§2355), Theatre Arts, (§2369), or Fine Arts Survey;

(i). Electives—3 units.

ii. Assessment Performance Indicator

(a). Students graduating prior to 2013-2014 shall pass all four components of GEE with a score of *Basic* or above, or one of the following combinations of scores with the English language arts score at *Basic* or above:

- (i). one *Approaching Basic*, one *Mastery* or *Advanced*, *Basic* or above in the remaining two; or
- (ii). two *Approaching Basic*, two *Mastery* or above.

(b). Students graduating in 2013-2014 through 2016-2017 shall achieve a score of *good* or *excellent* on each of the following EOC tests:

- (i). English II and English III;
- (ii). algebra I and geometry;
- (iii). biology and U.S. history.

NOTE: Transfer students need only meet this requirement for the EOC tests they are required to take according to the transfer rules found in §1829 of Bulletin 118.

iii. Students shall complete one of the following requirements:

- (a). senior project;
- (b). one Carnegie unit in an AP course and attempt the AP exam;
- (c). one Carnegie unit in an IB course and attempt the IB exam; or
- (d). three college hours of non-remedial credit in:
 - (i). mathematics;
 - (ii). social studies;
 - (iii). science;
 - (iv). foreign language; or
 - (v). English language arts.

iv. Students shall meet the current minimum grade-point average requirement for the TOPS Opportunity Award.

v. Students shall achieve an ACT composite score of at least 23 or the SAT equivalent.

6. Career/Technical Endorsement

a. Students who entered the 9th grade prior to 2014-2015 and satisfy the following performance indicators shall be eligible for a career/technical endorsement to the college and career diploma.

i. Students graduating prior to 2011-2012 shall meet the current course requirements for the TOPS Opportunity Award or the TOPS Tech Award. Students graduating in 2011-2012 through 2016-2017 shall meet the course requirements for the Louisiana Core 4 Curriculum.

ii. Students shall complete the career area of concentration.

iii. Assessment Performance Indicator

(a). Students graduating prior to 2009-2010 shall pass the English language arts, mathematics, science, and social studies components of the GEE at the *Approaching Basic* level or above. Students graduating in 2009-2010 and beyond prior to 2013-2014 shall pass all four components of the GEE with a score of basic or above or one of the following combinations with the English language arts score at basic or above:

- (i). one *Approaching Basic*, one *Mastery or Advanced*, and *Basic* or above in the remaining two;
- (ii). two *Approaching Basic*, two *Mastery* or above.

(b). Students graduating in 2013-2014 through 2016-2017 shall achieve a score of *good* or *excellent* on each of the following EOC tests:

- (i). English II and English III;
- (ii). algebra I and geometry;
- (iii). biology and U.S. history.

NOTE: Transfer students need only meet this requirement for the EOC tests they are required to take according to the transfer rules found in §1829 of Bulletin 118.

iv. Students shall complete a minimum of 90 work hours of work-based learning experience related to the student's area of concentration or senior project related to student's area of concentration with 20 hours of related work-based learning and mentoring and complete one of the following requirements:

(a). industry-based certification in student's area of concentration from the list of industry-based certifications approved by BESE; or

(b). three college hours in a career/technical area that articulate to a postsecondary institution, either by actually obtaining the credits and/or being waived from having to take such hours in student's area of concentration.

v. Students shall achieve a minimum GPA of 2.5.

vi. Students graduating prior to 2008-2009 shall achieve the current minimum ACT composite score (or SAT equivalent) for the TOPS Opportunity Award or the TOPS Tech Award. Students graduating in 2008-2009 and beyond shall achieve a minimum ACT composite score (or SAT equivalent) of 20 or the state ACT average (whichever is higher) or the silver level on the WorkKeys Assessment.

AUTHORITY NOTE: Promulgated in accordance with R.S. 17:7, R.S. 17:24.4, R.S. 17:183.2, and R.S. 17:395.

HISTORICAL NOTE: Promulgated by the Board of Elementary and Secondary Education, LR 31:1291 (June 2005), amended LR 31:2211 (September 2005), LR 31:3070 (December 2005), LR 31:3072 (December 2005), LR 32:1414 (August 2006), LR 33:429 (March 2007), LR 33:432 (March 2007), LR 33:2050 (October 2007), LR 33:2354 (November 2007), LR 33:2601 (December 2007), LR 34:1607 (August 2008), LR 36:1486 (July 2010), LR 37:547 (February 2011), LR 37:1128 (April 2011), LR 37:2129 (July 2011), LR 37:2132 (July 2011), LR 37:3193 (November 2011), LR 38:754, 761 (March 2012), LR 38:1001 (April 2012), LR 38:1584 (July 2012), LR 40:994 (May 2014), LR 40:1328 (July 2014), LR 40:1679 (September 2014), LR 40:2525 (December 2014), LR 41:915 (May 2015), LR 41:1482 (August 2015), LR 41:2126 (October 2015).

Chapter 23. High School Program of Studies

§2353. Mathematics

A. The mathematics course offerings for the college diploma shall be as follows.

Course Title(s)	Units
Advanced Math—Pre-Calculus	1
Advanced Math—Functions and Statistics	1
Algebra I, II	1 each
Applied Algebra I	1
Algebra I—Part 1	1
Algebra I—Part 2	1
Calculus	1
Discrete Mathematics	1
Financial Mathematics (Literacy)	1
Geometry	1
Applied Geometry	1
Integrated Mathematics I, II, III	1 each
Pre-Calculus	1
Probability and Statistics	1
Math Essentials	1
AP Calculus BC	1
AP Calculus AB	1
AP Statistics	1
IB Math Studies (Math Methods)	1
IB Mathematics SL	1
IB Further Mathematics HL	1
IB Mathematics HL	1

B. The mathematics course offerings for the career diploma shall be as follows.

Course Title(s)	Units
Algebra I	1
Algebra I—Part 1	1
Algebra I—Part 2	1
Applied Algebra I	1
Geometry	1
Applied Geometry	1
Financial Mathematics (Literacy)	1
Technical Math	1
Medical Math	1
Applications in Statistics and Probability	1
Algebra II	1
Advanced Math—Pre-Calculus	1
Discrete Mathematics	1
Math Essentials	1
Course(s) developed by the LEA and approved by BESE	1

C. Financial mathematics may be taught by teachers certified in business education.

AUTHORITY NOTE: Promulgated in accordance with R.S. 17:7 and R.S. 17:24.4.

HISTORICAL NOTE: Promulgated by the Board of Elementary and Secondary Education, LR 31:1296 (June 2005), amended LR 33:2605 (December 2007), LR 34:1609 (August 2008), LR 35:2322 (November 2009), LR 36:1493 (July 2010), LR 38:760 (March 2012), LR 40:999 (May 2014), LR 40:2527 (December 2014).