

NOTICE OF INTENT

Board of Elementary and Secondary Education

Part CXV. Bulletin 741—Louisiana Handbook for School Administrators

(LAC 28: CXV.2318 and 2353)

In accordance with R.S. 49:950, et seq., the Administrative Procedure Act, notice is hereby given that the Board of Elementary and Secondary Education approved for advertisement revisions to *Bulletin 741—Louisiana Handbook for School Administrators* §2318. The TOPS University Diploma and §2353. Mathematics. The proposed policy revisions add AP Computer Science as an equivalent advanced mathematics course for the purposes of satisfying high school graduation requirements and for determining student eligibility to receive a Taylor Opportunity Program for Students (TOPS) award.

**Title 28  
EDUCATION**

**Part CXV. Bulletin 741—Louisiana Handbook for School Administrators**

**Chapter 23. Curriculum and Instruction**

**Subchapter A. Standards and Curricula**

**§2318. The TOPS University Diploma**

A. – C. ...

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.

a. – a.iv. ...

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;

(j). AP Computer Science A; or

(k). a locally initiated elective approved by BESE as a math substitute.

c. – h. ...

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.

a. – a.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). AP Computer Science A; or
- (k). a locally initiated elective approved by BESE as a math substitute.

c. – j. ...

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. – a .iv. (e). ...
- 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;
  - (m). Probability and Statistics; or
  - (n). AP Computer Science A

c. – 6. a. vi. ...

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), LR 42:.

### §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
AP Computer Science A	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. – C. ...

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), LR 42:.

STATE BOARD OF ELEMENTARY AND SECONDARY EDUCATION  
FAMILY IMPACT STATEMENT  
(LA R.S. 49:953 and 972)

Person Preparing Statement: Nancy Beben  
Phone: 225-342-4991  
Division: Policy Office  
Rule Title: Part CXV. Bulletin 741—Louisiana Handbook for School Administrators

In accordance with Section 953 and 974 of Title 49 of the Louisiana Revised Statutes, there is hereby submitted a Family Impact Statement on the rule proposed for adoption, repeal or amendment. All Family Impact Statements shall be kept on file in the State Board Office which has adopted, amended, or repealed a rule in accordance with the applicable provisions of the law relating to public records.

PLEASE RESPOND TO THE FOLLOWING:

1. WILL THE PROPOSED RULE AFFECT THE STABILITY OF THE FAMILY?  
 No  
 Yes  
 Lacks sufficient information to determine
2. WILL THE PROPOSED RULE AFFECT THE AUTHORITY AND RIGHTS OF PARENTS REGARDING THE EDUCATION AND SUPERVISION OF THEIR CHILDREN?  
 No  
 Yes  
 Lacks sufficient information to determine.
3. WILL THE PROPOSED RULE AFFECT THE FUNCTIONING OF THE FAMILY?  
 No  
 Yes  
 Lacks sufficient information to determine
4. WILL THE PROPOSED RULE AFFECT FAMILY EARNINGS AND FAMILY BUDGET?  
 No  
 Yes  
 Lacks sufficient information to determine
5. WILL THE PROPOSED RULE AFFECT THE BEHAVIOR AND PERSONAL RESPONSIBILITY OF CHILDREN?  
 No  
 Yes  
 Lacks sufficient information to determine
6. IS THE FAMILY OR A LOCAL GOVERNMENT ABLE TO PERFORM THE FUNCTION AS CONTAINED IN THE PROPOSED RULE?  
 No  
 Yes  
 Lacks sufficient information to determine

Signature of Contact Person: Nancy Beben  
Date Submitted: 3/10/16

STATE BOARD OF ELEMENTARY AND SECONDARY EDUCATION  
POVERTY IMPACT STATEMENT  
(LA R.S. 49:973)

Person Preparing Statement: Nancy Beben

Phone: 225-342-4991

Division: Policy Office

Rule Title: Part CXV. Bulletin 741—Louisiana Handbook for School Administrators

In accordance with Section 973 of Title 49 of the Louisiana Revised Statutes, there is hereby submitted a Poverty Impact Statement on the rule proposed for adoption, amendment, or repeal. All Poverty Impact Statements shall be in writing and kept on file in the state agency which has adopted, amended, or repealed a rule in accordance with the applicable provisions of the law relating to public records. For the purposes of this Section, the word "poverty" means living at or below one hundred percent of the federal poverty line.

PLEASE RESPOND TO THE FOLLOWING:

1. WILL THE PROPOSED RULE AFFECT THE HOUSEHOLD INCOME, ASSETS, AND FINANCIAL SECURITY?

- No  
 Yes  
 Lacks sufficient information to determine

2. WILL THE PROPOSED RULE AFFECT EARLY CHILDHOOD DEVELOPMENT AND PRESCHOOL THROUGH POSTSECONDARY EDUCATION DEVELOPMENT?

- No  
 Yes  
 Lacks sufficient information to determine

3. WILL THE PROPOSED RULE AFFECT EMPLOYMENT AND WORKFORCE DEVELOPMENT?

- No  
 Yes  
 Lacks sufficient information to determine

4. WILL THE PROPOSED RULE AFFECT TAXES AND TAX CREDITS?

- No  
 Yes  
 Lacks sufficient information to determine

5. WILL THE PROPOSED RULE AFFECT CHILD AND DEPENDENT CARE, HOUSING, HEALTH CARE, NUTRITION, TRANSPORTATION, AND UTILITIES ASSISTANCE?

- No  
 Yes  
 Lacks sufficient information to determine

Signature of Contact Person: Nancy Beben  
Date Submitted: 3/10/16

### **Small Business Statement**

The impact of the proposed Rule on small businesses as defined in the Regulatory Flexibility Act has been considered. It is estimated that the proposed action is not expected to have a significant adverse impact on small businesses. The agency, consistent with health, safety, environmental and economic welfare factors has considered and, where possible, utilized regulatory methods in the drafting of the proposed rule that will accomplish the objectives of applicable statutes while minimizing the adverse impact of the proposed rule on small businesses.

### **Provider Impact Statement**

The proposed Rule should not have any known or foreseeable impact on providers as defined by HCR 170 of 2014 Regular Legislative Session. In particular, there should be no known or foreseeable effect on:

1. the effect on the staffing level requirements or qualifications required to provide the same level of service;
2. the total direct and indirect effect on the cost to the providers to provide the same level of service; or
3. the overall effect on the ability of the provider to provide the same level of service.

**Public Comments**

Interested persons may submit written comments via the U.S. Mail until 4:30 p.m., May 9, 2016, to Shan N. Davis, Board of Elementary and Secondary Education, Box 94064, Capitol Station, Baton Rouge, LA 70804-9064.

Shan N. Davis  
Executive Director

FISCAL AND ECONOMIC IMPACT STATEMENT  
FOR ADMINISTRATIVE RULES

*rec'd from LDE 3/22/16  
to LFO 3/22/16  
back from LFO 3/23/16*

Person Preparing Statement: Nancy Beben Dept.: LA Department of Education  
Board of Elementary & Secondary Education

Phone: (225) 342-4991 Office: Policy

Return Address: P. O. Box 94064 Rule Title: Part CXV. Bulletin 741—Louisiana Handbook for School Administrators  
Baton Rouge, LA

Date Rule Takes Effect: Upon final adoption by BESE

SUMMARY

In accordance with Section 953 of Title 49 of the Louisiana Revised Statutes, there is hereby submitted a fiscal and economic impact statement on the rule proposed for adoption, repeal or amendment. THE FOLLOWING STATEMENTS SUMMARIZE ATTACHED WORKSHEETS, I THROUGH IV AND WILL BE PUBLISHED IN THE LOUISIANA REGISTER WITH THE PROPOSED AGENCY RULE.

I. ESTIMATED IMPLEMENTATION COSTS (SAVINGS) TO STATE OR LOCAL GOVERNMENTAL UNITS (Summary)

The proposed policy revision adds an additional course to the Mathematics options for students to earn a TOPS university diploma. There may be costs associated with specialized training for AP courses in public schools which may offer these courses but these are expected to be nominal and included in ongoing training which is funded in part with federal grant funds.

II. ESTIMATED EFFECT ON REVENUE COLLECTIONS OF STATE OR LOCAL GOVERNMENTAL UNITS (Summary)

This policy will have no effect on revenue collections of state or local governmental units.

III. ESTIMATED COSTS AND/OR ECONOMIC BENEFITS TO DIRECTLY AFFECTED PERSONS OR NON-GOVERNMENTAL GROUPS (Summary)

There will be no estimated cost and/or economic benefit to directly affected persons or non-governmental groups.

IV. ESTIMATED EFFECT ON COMPETITION AND EMPLOYMENT (Summary)

This policy will have no effect on competition and employment.

*Beth Scioneaux*  
Signature of Agency Head or Designee

*Evan Brassaux, Staff Director*  
Legislative Fiscal Officer or Designee

Beth Scioneaux, Deputy Superintendent for Management and Finance  
Typed Name and Title of Agency Head or Designee

*3/22/16*  
Date of Signature

*3/22/16*  
Date of Signature

FISCAL AND ECONOMIC IMPACT STATEMENT  
FOR ADMINISTRATIVE RULES

The following information is required in order to assist the Legislative Fiscal Office in its review of the fiscal and economic impact statement and to assist the appropriate legislative oversight subcommittee in its deliberation on the proposed rule.

- A. Provide a brief summary of the content of the rule (if proposed for adoption, or repeal) or a brief summary of the change in the rule (if proposed for amendment). Attach a copy of the notice of intent and a copy of the rule proposed for initial adoption or repeal (or, in the case of a rule change, copies of both the current and proposed rules with amended portions indicated).

The proposed policy revisions add AP Computer Science as an optional equivalent advanced mathematics course for the purposes of satisfying high school graduation requirements and for determining student eligibility to receive a Taylor Opportunity Program for Students (TOPS) award.

- B. Summarize the circumstances that require this action. If the Action is required by federal regulation, attach a copy of the applicable regulation.

The revisions are the result of Senate Resolution 162 of the 2015 Regular Legislative Session, which requested that the Louisiana Department of Education (LDE), in consultation with the Board of Regents, the Louisiana Workforce Commission, and the Department of Economic Development, study and make recommendations regarding the feasibility of establishing the Advanced Placement (AP) Computer Science course as an equivalent advanced mathematics course for purposes of satisfying high school graduation requirements and for determining student eligibility to receive a Louisiana Taylor Opportunity Program for Students (TOPS) award.

- C. Compliance with Act 11 of the 1986 First Extraordinary Session.

1. Will the proposed rule change result in any increase in the expenditure of funds? If so, specify amount and source of funding.

No.

Increased funding for outreach initiatives will be requested by LOSFA based on actual projected expenditures.

2. If the answer to (1) above is yes, has the Legislature specifically appropriated the funds necessary for the associated expenditure increase?

(a) \_\_\_\_\_ Yes. If yes, attach documentation.

(b) \_\_\_\_\_ NO. If no, provide justification as to why this rule change should be published at this time.

FISCAL AND ECONOMIC IMPACT STATEMENT

WORKSHEET

I. A. COSTS OR SAVINGS TO STATE AGENCIES RESULTING FROM THE ACTION PROPOSED

1. What is the anticipated increase (decrease) in costs to implement the proposed action?

COSTS	FY15-16	FY16-17	FY17-18
PERSONAL SERVICES			
OPERATING EXPENSES	-0-	-0-	-0-
PROFESSIONAL SERVICES			
OTHER CHARGES			
EQUIPMENT			
<u>MAJOR REPAIR &amp; CONSTR.</u>			
<u>POSITIONS (#)</u>			
<b>TOTAL</b>	--0-	-0-	-0-

2. Provide a narrative explanation of the costs or savings shown in "A. 1.", including the increase or reduction in workload or additional paperwork (number of new forms, additional documentation, etc.) anticipated as a result of the implementation of the proposed action. Describe all data, assumptions, and methods used in calculating these costs.

The proposed policy revision will have no effect on costs or savings to state or local governmental units as it merely adds an additional course option for students to earn a TOPS University diploma.

3. Sources of funding for implementing the proposed rule or rule change.

SOURCE	FY15-16	FY16-17	FY17-18
STATE GENERAL FUND			
AGENCY SELF-GENERATED	--0-	-0-	-0-
DEDICATED			
FEDERAL FUNDS			
OTHER (Specify)			
<b>TOTAL</b>	---0-	-0-	-0-

4. Does your agency currently have sufficient funds to implement the proposed action? If not, how and when do you anticipate obtaining such funds?

The Department has the necessary funds to implement the proposed action.

B. COST OR SAVINGS TO LOCAL GOVERNMENTAL UNITS RESULTING FROM THE ACTION PROPOSED

1. Provide an estimate of the anticipated impact of the proposed action on local governmental units, including adjustments in workload and paperwork requirements. Describe all data, assumptions and methods used in calculating this impact.

The proposed action will not result in any cost, savings, or workload adjustment to local school systems.

2. Indicate the sources of funding of the local governmental unit that will be affected by these costs or savings.

No sources of funding will be affected.

FISCAL AND ECONOMIC IMPACT STATEMENT

WORKSHEET

II. EFFECT ON REVENUE COLLECTIONS OF STATE AND LOCAL GOVERNMENTAL UNITS

A. What increase (decrease) in revenues can be anticipated from the proposed action?

This proposed action will have no effect on revenue collection.

REVENUE INCREASE/DECREASE	FY15-16	FY16-17	FY17-18
STATE GENERAL FUND	-0-	-0-	-0-
AGENCY SELF GENERATED			
RESTRICTED FUNDS*			
FEDERAL FUNDS			
LOCAL FUNDS			
TOTAL	-0-	-0-	-0-

\*Specify the particular fund being impacted.

B. Provide a narrative explanation of each increase or decrease in revenues shown in "A." Describe all data, assumptions, and methods used in calculating these increases or decreases.

This proposed action will have no effect on revenue collection.

FISCAL AND ECONOMIC IMPACT STATEMENT

WORKSHEET

III. COSTS AND/OR ECONOMIC BENEFITS TO DIRECTLY AFFECTED PERSONS OR NON-GOVERNMENTAL GROUPS

A. What persons or non-governmental groups would be directly affected by the proposed action? For each, provide an estimate and a narrative description of any effect on costs, including workload adjustments and additional paperwork (number of new forms, additional documentation, etc.), they may have to incur as a result of the proposed action.

None.

B. Also provide an estimate and a narrative description of any impact on receipts and/or income resulting from this rule or rule change to these groups.

No impact on income is anticipated as a result of this rule change.

IV. EFFECTS ON COMPETITION AND EMPLOYMENT

Identify and provide estimates of the impact of the proposed action on competition and employment in the public and private sectors. Include a summary of any data, assumptions and methods used in making these estimates.

The policy will have no effect on competition and employment.

COMPARISON DOCUMENT

**Title 28  
EDUCATION**

**Part CXV. Bulletin 741—Louisiana Handbook for School Administrators**

**Chapter 23. Curriculum and Instruction**

**Subchapter A. Standards and Curricula**

**§2318. The TOPS University Diploma**

A. – C. ...

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.

a. – a.iv. ...

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). AP Computer Science A; or
- ~~(j).~~ (k). a locally initiated elective approved by BESE as a math substitute.

c. – h. ...

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.

a. – a.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). AP Computer Science A; or
- (k). ~~(j).~~ a locally initiated elective approved by BESE as a math substitute.

c. – j. ...

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. – a .iv. (e). ...
- 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;
  - (m). Probability and Statistics; or
  - (n). AP Computer Science A

c. – 6. a. vi. ...

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.

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### §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
AP Computer Science A	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. – C. ...

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

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