



# UNITED INDEPENDENT SCHOOL DISTRICT AGENDA ACTION ITEM

**TOPIC:** Approval of EIF (REGULATION) (changes to Magnet Programs) and EIF (EXHIBIT) Graduation Requirements

**SUBMITTED BY:** Christina Uribe Flores, Director of Guidance and Counseling

**OF:** Curriculum and Instruction Department

**APPROVED FOR TRANSMITTAL TO SCHOOL BOARD:** \_\_\_\_\_

**DATE ASSIGNED FOR BOARD CONSIDERATION:** June 17, 2014

## **Recommendation:**

Approval of revised Magnet Programs for Alexander High School and United High School (EIF [REGULATION]) and approval of House Bill 5 Graduation Plans as reflected in Exhibit C. Exhibits A and B are current graduation plans. (EIF EXHIBIT A, B and C)

## **Rationale:**

EIF (REGULATION) mainly delineates United Independent School District's graduation requirements for the Magnet Programs. EIF EXHIBIT A, B and C are new. These exhibits reflect current and future graduation requirements for United ISD students.

## **Budgetary Information:**

No budgetary impact.

## **Board Policy Reference and Compliance:**

EIF (REGULATION)

EIF (EXHIBIT)

ACADEMIC ACHIEVEMENT  
GRADUATION

EIF  
(EXHIBIT)

Students who entered grade 9 in the 2011-2012 school year and thereafter must complete one of the following programs for graduation:

Exhibit A: Graduation Requirements: Students Graduating in 2014-2015 (Entered grade 9 in 2011-2012)

Exhibit B: Graduation Requirements: Students Graduating in 2015-2016 through 2016-2017 (Entered grade 9 in 2012-2013)

Exhibit C: Overview of Graduation Requirements for students entering grade 9 in 2014-2015 and beyond



# United Independent School District

## Current Plans for Students Entering 9th Grade 2011-2012

EIF  
EXHIBIT A

Content	Minimum	22 credits	Content	Recommended	26 Credits	Content	Distinguished Achievement Program	26 Credits
<b>ELA ( 4 )</b>	English I	1	<b>ELA ( 4 )</b>	English I	1	<b>ELA ( 4 )</b>	English I	1
	English II	1		English II	1		English II	1
	English III	1		English III	1		English III	1
	English IV	1		English IV	1		English IV	1
<b>Math ( 3 )</b>	Algebra I	1	<b>MATH ( 4 )</b>	Algebra I	1	<b>Math ( 4 )</b>	Algebra I	1
	Geometry	1		Geometry	1		Geometry	1
	Math Models or Algebra II	1		Math Models or Algebra II	1		Algebra II	1
				Algebra II or Adv. Math	1		PreCalculus or AQR	1
<b>Science ( 2 )</b>	Biology	1	<b>Science ( 4 )</b>	Biology	1	<b>Science ( 4 )</b>	Biology	1
	IPC or Chemistry	1		IPC or Chemistry	1		Chemistry	1
				Chemistry or Physics	1		Physics	1
				Physics or 4th Science	1		4th Science	1
<b>SS ( 3 )</b>	Wld Geography or Wld History	1	<b>SS ( 4 )</b>	World Geography	1	<b>SS ( 4 )</b>	World Geography	1
	U. S. History	1		W. History	1		World History	1
	Government	0.5		U. S. History	1		U. S. History	1
	Economics	0.5		Government	0.5		Government	0.5
<b>Academic Elective ( 1 )</b>	Wld Geography, Wld History, or Science cr as per Ch. 112	1		Economics	0.5		Economics	0.5
			<b>LOTE ( 2 )</b>	Lang. other than Eng. I	1	<b>LOTE ( 3 )</b>	Lang. other than Eng. I	1
				Lang. other than Eng. II	1		Lang. other than Eng. II	1
							Lang. other than Eng. III	1
<b>Fine Arts ( 1 )</b>	Fine Arts: Art, Choir, Th. Arts	1	<b>Fine Arts ( 1 )</b>	Fine Arts: Art, Choir, Th. Arts	1	<b>Fine Arts ( 1 )</b>	Fine Arts: Art, Choir, Theater Arts	1
	<b>PE ( 1 )</b>	P.E. or substitution		1	<b>PE ( 1 )</b>		P.E. or substitution	1
<b>Tech ( 1 ) ^</b>	Technology Applications	1	<b>Tech ( 1 ) ^</b>	Technology Applications	1	<b>Tech ( 1 ) ^</b>	Technology Applications	1
<b>Health ( 0.5 ) ^</b>	Health or PRINHS	0.5	<b>Health ( 0.5 ) ^</b>	Health or PRINHS	0.5	<b>Health ( 0.5 ) ^</b>	Health or PRINHS	0.5
<b>Speech ( 0.5 )</b>	Communication Applications	0.5	<b>Speech ( 0.5 )</b>	Communication Applications	0.5	<b>Speech ( 0.5 )</b>	Communication Applications	0.5
<b>Electives ( 5 )</b>	Electives	5	<b>Electives ( 4 )</b>	Electives	4	<b>Electives ( 3 )</b>	Electives	3
	<b>Total</b>	<b>22</b>		<b>Total</b>	<b>26</b>		<b>Total</b>	<b>26</b>

^UISD required credits in addition to the state graduation requirements

**Legend**

- AQR-Advanced Quantitative Reasoning
- ELA- English Language Arts
- IPC- Integrated Physics and Chemistry
- LOTE- Languages Other Than English
- PE-Physical Education
- PRINHS- Principles of Health Science
- SS- Social Studies

**EOC Testing Requirements Checklist**

- English I
- English II
- Algebra I
- Biology
- U.S. History



# United Independent School District

## Current Plans for Students Entering 9th Grade in 2012-2013

EIF  
EXHIBIT B

Content	Minimum	26 credits	Content	Recommended	30 Credits	Content	Distinguished Achievement Program	30 Credits
<b>ELA ( 4 )</b>	English I	1	<b>ELA ( 4 )</b>	English I	1	<b>ELA ( 4 )</b>	English I	1
	English II	1		English II	1		English II	1
	English III	1		English III	1		English III	1
	English IV	1		English IV	1		English IV	1
<b>Math ( 4 )</b>	Algebra I	1	<b>MATH ( 4 )</b>	Algebra I	1	<b>Math ( 4 )</b>	Algebra I	1
	Geometry	1		Geometry	1		Geometry	1
	Math Models or Algebra II	1		Math Models or Algebra II	1		Algebra II	1
	Algebra II/4th Math	1		Alg. II or Adv. Math	1		PreCalculus or AQR	1
<b>Science ( 3 )</b>	Biology	1	<b>Science ( 4 )</b>	Biology	1	<b>Science ( 4 )</b>	Biology	1
	IPC or Chemistry	1		IPC or Chemistry	1		Chemistry	1
	Chemistry or Physics	1		Chemistry or Physics	1		Physics	1
				Physics or 4th Science	1		4th Science	1
<b>SS (3)</b>	Wld Geography or Wld History	1	<b>SS ( 4 )</b>	World Geography	1	<b>SS ( 4 )</b>	World Geography	1
	U. S. History	1		W. History	1		World History	1
	Government	0.5		U. S. History	1		U. S. History	1
	Economics	0.5		Government	0.5		Government	0.5
<b>Academic Elective (1)</b>	Wld Geography, Wld History, or Science cr as per Ch. 112	1		Economics	0.5		Economics	0.5
			<b>LOTE ( 2 )</b>	Lang. other than Eng. I	1	<b>LOTE (3)</b>	Lang. other than Eng. I	1
		Lang. other than Eng. II		1	Lang. other than Eng. II		1	
							Lang. other than Eng. III	1
<b>Fine Arts ( 1 )</b>	Fine Arts: Art, Choir, Th. Arts	1	<b>Fine Arts ( 1 )</b>	Fine Arts: Art, Choir, Th. Arts	1	<b>Fine Arts ( 1 )</b>	Fine Arts: Art, Choir, Theater Arts	1
<b>PE ( 1 )</b>	P.E. or substitution	1	<b>PE ( 1 )</b>	P.E. or substitution	1	<b>PE ( 1 )</b>	P.E. or substitution	1
<b>Tech ( 1 ) ^</b>	Technology Applications	1	<b>Tech ( 1 ) ^</b>	Technology Applications	1	<b>Tech ( 1 ) ^</b>	Technology Applications	1
<b>Health ( 0.5 ) ^</b>	Health or PRINHS	0.5	<b>Health ( 0.5 ) ^</b>	Health or PRINHS	0.5	<b>Health ( 0.5 ) ^</b>	Health or PRINHS	0.5
<b>Speech ( 0.5 )</b>	Communication Applications	0.5	<b>Speech ( 0.5 )</b>	Communication Applications	0.5	<b>Speech ( 0.5 )</b>	Communication Applications	0.5
<b>Electives ( 7 )</b>	Electives	5	<b>Electives ( 8 )</b>	Electives	4	<b>Electives ( 7 )</b>	Electives	3
	Additional Electives^	2		Additional Electives ^	4		Additional Electives^	4
	<b>Total</b>	<b>26</b>		<b>Total</b>	<b>30</b>		<b>Total</b>	<b>30</b>

^UISD required credits in addition to the state graduation requirements

**Legend**

- AQR-Advanced Quantitative Reasoning
- ELA- English Language Arts
- IPC- Integrated Physics and Chemistry
- LOTE- Languages Other Than English
- PE-Physical Education
- PRINHS- Principles of Health Science
- SS- Social Studies

**EOC Testing Requirements Checklist**

- English I
- English II
- Algebra I
- Biology
- U.S. History



# United Independent School District

## Students Entering 9th Grade in 2014-2015 and Thereafter

EIF  
EXHIBIT C

Content	Foundation	26 credits	Content	Foundation HS Program with Endorsements	30 Credits	Content	Distinguished Level of Achievement	30 Credits
<b>ELA ( 4 )</b>	English I	1	<b>ELA ( 4 )</b>	English I	1	<b>ELA ( 4 )</b>	English I	1
	English II	1		English II	1		English II	1
	English III	1		English III	1		English III	1
	English IV	1		English IV	1		English IV	1
<b>Math ( 3 )</b>	Algebra I	1	<b>MATH ( 4 )*</b>	Algebra I	1	<b>Math ( 4 )*</b>	Algebra I	1
	Geometry	1		Geometry	1		Geometry	1
	Advanced Math	1		Math Models or Algebra II	1		Algebra II	1
				Algebra II or Adv. Math	1		PreCalculus or AQR	1
<b>Science ( 3 )</b>	Biology	1	<b>Science ( 4 )*</b>	Biology I	1	<b>Science ( 4 )*</b>	Biology I	1
	IPC or Chemistry	1		IPC or Chemistry	1		IPC or Chemistry	1
	Advanced Science	1		Chemistry or Physics	1		Chemistry or Physics	1
				4th Science	1		4th Science	1
<b>SS ( 4 )</b>	World Geography	1	<b>SS ( 4 )</b>	World Geography	1	<b>SS ( 4 )</b>	World Geography	1
	W. History or Special Topics SS^	1		W. History or Special Topics SS ^	1		W. History or Special Topics SS ^	1
	U. S. History	1		U. S. History	1		U. S. History	1
	Government	0.5		Government	0.5		Government	0.5
	Economics	0.5		Economics	0.5		Economics	0.5
<b>LOTE ( 2 )</b>	Lang. Other Than English I	1	<b>LOTE ( 2 )</b>	Lang. other than Eng. I or sub.	1	<b>LOTE ( 2 )</b>	Lang. other than Eng. I or sub.	1
	Lang. Other Than English II	1		Lang. other than Eng. II or sub.	1		Lang. other than Eng. II or sub.	1
<b>Fine Arts ( 1 )</b>	Fine Arts: Art, Choir, Th. Arts	1	<b>Fine Arts ( 1 )</b>	Fine Arts: Art, Choir, Th. Arts	1	<b>Fine Arts ( 1 )</b>	Fine Arts: Art, Choir, Theater Arts	1
<b>PE ( 1 )</b>	P.E. or substitution	1	<b>PE ( 1 )</b>	P.E. or substitution	1	<b>PE ( 1 )</b>	P.E. or substitution	1
<b>Tech ( 1 )^</b>	Technology Applications	1	<b>Tech ( 1 ) ^</b>	Technology Applications	1	<b>Tech ( 1 ) ^</b>	Technology Applications	1
<b>Health ( 0.5)^</b>	Health or PRINHS	0.5	<b>Health ( 0.5 ) ^</b>	Health or PRINHS	0.5	<b>Health ( 0.5 ) ^</b>	Health or PRINHS	0.5
<b>Speech ( 0.5 )^</b>	Communication Applications	0.5	<b>Speech ( 0.5 ) ^</b>	Communication Applications	0.5	<b>Speech ( 0.5 ) ^</b>	Communication Applications	0.5
<b>Electives ( 6 )</b>	Electives	2	<b>Electives ( 8 )</b>	Electives	4	<b>Electives ( 8 )</b>	Electives	4
	Additional Electives^	4		Additional Electives ^	4		Additional Electives^	4
	<b>Total</b>	<b>26</b>		<b>Total</b>	<b>30</b>		<b>Total</b>	<b>30</b>

^UISD required credits in addition to the state graduation requirements

**Legend**

- AQR-Advanced Quantitative Reasoning
- ELA- English Language Arts
- IPC- Integrated Physics and Chemistry
- LOTE- Languages Other Than English
- PE-Physical Education
- PRINHS- Principles of Health Science
- SS- Social Studies

**EOC Testing Requirements Checklist**

- \_\_\_ English I
- \_\_\_ English II
- \_\_\_ Algebra I
- \_\_\_ Biology
- \_\_\_ U.S. History

**Endorsement**

- Public Service
- Arts & Humanities
- Multidisciplinary Studies
- STEM
- Business/Industry

\* To earn a STEM endorsement students must successfully complete algebra II, chemistry, physics, and two additional math & science courses.

ACADEMIC ACHIEVEMENT  
GRADUATION

EIF  
(REGULATION)

MINIMUM PROGRAM:  
WAIVERS AND  
OPTIONS

Beginning with students who entered grade 9 in the 2012-2013 school year, the District requires completion of four credits in addition to the number required by the state for graduation under the Minimum Program for a total of 26 credits as shown in EIF (Exhibit B).

The individual campus student support team will meet to determine if the additional credits required by the District for the Minimum Program can be waived for a student, allowing the student to graduate under the Minimum Program with 22 credits only, as required by the state.

In accordance with law, a student's parent or legal guardian must agree in writing in order for a student to complete courses under the Minimum Program. [See EIF(LEGAL)]

~~MAGNET PROGRAMS  
FOR STUDENTS IN  
GRADE 8 IN 2008-09  
OR BEFORE~~

~~For students who entered grade 8 during the 2008-09 school year or before, the graduation plans and course requirements for the District's magnet schools will be as follows:~~

~~J.B. ALEXANDER  
HIGH SCHOOL  
MAGNET FOR  
HEALTH AND  
SCIENCE~~

~~The Health Science Magnet Program requires that all students follow the Advanced/Distinguished Achievement Program. The students will be required to complete all core subject area requisites with Pre-AP and AP (College Board Pre-Advanced Placement and Advanced Placement) courses. The curriculum emphasizes health and science components.~~

~~For students who entered grade 9 in 2009-10 or before, the Health and Science Magnet Program is as follows:~~

~~4.0 English I, II, III, IV~~

~~4.0 Mathematics~~

~~-Algebra I~~

~~-Algebra II~~

~~-Geometry~~

~~-4th Math course~~

~~4.0 Science~~

~~-Biology I~~

~~-Chemistry I~~

~~-Physics I~~

~~-4th Science course~~

- ~~3.5 Social Studies
  - ~~–World Geography~~
  - ~~–World History~~
  - ~~–U.S. History~~
  - ~~–American Government (0.5)~~~~
  
- ~~3.0 Foreign Language
  - ~~Spanish I, II, III or AP Spanish IV or~~
  - ~~French I, II, III~~~~
  
- ~~1.0 Business Information Management I~~
  
- ~~1.0 Fine Arts~~
- ~~0.5 Speech~~
- ~~0.5 Economics~~
- ~~1.0 Physical Education~~
  
- ~~Health Professions Electives
  - ~~1.0 –Principles of Health Science~~
  - ~~2.0 –Health Science~~
  - ~~1.0 –Anatomy/Physiology~~
  - ~~1.0 –World Health Research~~
  - ~~0.5 –Medical Microbiology~~
  - ~~0.5 –Medical Terminology~~
  - ~~1.0 –Pathophysiology~~~~
  
- ~~29.5 Total Credits~~

~~An advanced measure could include a score of 3 or better on College Board Advanced Placement tests, college courses, tech-prep articulated college courses, or an original research project evaluated by a panel of professional judges.~~

~~UNITED SOUTH  
HIGH SCHOOL  
ACADEMY OF  
GLOBAL BUSINESS  
AND ADVANCED  
TECHNOLOGY  
MAGNET~~

~~The Academy of Global Business and Advanced Technology Magnet Program requires that all students follow the Advanced/Distinguished Achievement Program. The students will be required to complete all core subject area requisites with Pre-AP and AP courses. The curriculum emphasizes business and technology components.~~

- ~~4.0 English I, II, III, IV~~
  
- ~~4.0 Mathematics
  - ~~-Algebra I~~
  - ~~-Geometry~~
  - ~~-Algebra II~~
  - ~~-4th Math course~~~~
  
- ~~4.0 Science
  - ~~-Biology I~~
  - ~~-Chemistry I~~
  - ~~-Physics I~~
  - ~~-4th Science course~~~~
  
- ~~3.5 Social Studies
  - ~~-World Geography~~
  - ~~-World History~~
  - ~~-U.S. History~~
  - ~~-American Government (0.5)~~~~
  
- ~~3.0 Foreign Language
  - ~~Spanish I, II, III or AP Spanish IV or~~
  - ~~French I, II, III~~~~
  
- ~~1.0 Fine Arts~~
- ~~0.5 Speech~~
- ~~0.5 Health~~
- ~~0.5 Economics~~
- ~~1.0 Physical Education~~
- ~~1.0 Business Information Management I~~

~~Additionally, students will also complete either the courses under the Free Enterprise Pathway or the~~



~~courses under the Information Technology Pathway.~~

~~FREE ENTERPRISE PATHWAY~~

- ~~1.0 Accounting-I~~
- ~~1.0 Business Management~~
- ~~1.0 Retailing and E-tailing~~
- ~~1.0 Global Business~~
- ~~1.0 Securities and Investments~~
- ~~2.0 Practicum in Business Management~~
  
- ~~30.0 Total Credits~~

~~Or~~

~~INFORMATION TECHNOLOGY PATHWAY~~

- ~~1.0 Business Management~~
- ~~2.0 Computer Maintenance~~
- ~~2.0 Internetworking Technologies I~~
- ~~2.0 Internetworking Technologies II~~
  
- ~~30.0 Total Credits~~

~~An advanced measure could include a score of 3 or better on College Board Advanced Placement tests, college courses, or tech-prep articulated college courses, or an original research project evaluated by a panel of professional judges.~~

UNITED HIGH SCHOOL  
ENGINEERING AND  
TECHNOLOGIES  
MAGNET

~~The Engineering and Technologies Magnet Program requires that all students follow the Advanced/Distinguished Achievement Program. The students will be required to complete all core subject area requisites with Pre-AP and AP courses. The curriculum emphasizes engineering components.~~

- ~~4.0 English I, II, III, IV~~
  
- ~~4.0 Mathematics~~
  - ~~-Algebra I~~
  - ~~-Geometry~~
  - ~~-Algebra II~~
  - ~~-4th Math course~~

- 4.0 ~~Science~~
  - ~~–Biology I~~
  - ~~–Chemistry I~~
  - ~~–Physics I~~
  - ~~–4th Science course~~
  
- 3.5 ~~Social Studies~~
  - ~~–World Geography~~
  - ~~–World History~~
  - ~~–U.S. History~~
  - ~~–American Government (0.5)~~
  
- 3.0 ~~Foreign Language~~
  - ~~Spanish I, II, III or AP Spanish IV or~~
  - ~~French I, II, III~~
  
- 1.0 ~~Fine Arts~~
- 0.5 ~~Speech~~
- 0.5 ~~Health~~
- 0.5 ~~Economics~~
- 1.0 ~~Physical Education~~
  
- 1.0 ~~Business Information Management I~~
  
- ~~Engineering Electives~~
  - 1.0 ~~–Engineering Design and Presentation~~
  - 1.0 ~~–Concepts of Engineering and Technology~~
  - 1.0 ~~–Engineering Design and Problem Solving~~
  - 1.0 ~~–Advanced Engineering and Presentation~~
  - 2.0 ~~–Practicum in Manufacturing~~
  - 1.0 ~~–AP Computer Science~~
  
- 30.0 ~~Total Credits~~

~~An advanced measure could include a score of 3 or better on College Board Advanced Placement tests, college courses, tech-prep articulated college courses, or an original research project evaluated by a panel of professional judges.~~

MAGNET PROGRAMS  
FOR STUDENTS IN  
GRADE 8 IN 2009–10  
AND THEREAFTER

Beginning with students who entered grade 8 in the 2009–10 school year, graduation plans and course requirements for the District's magnet schools will be as follows.

~~J.B. ALEXANDER  
HIGH SCHOOL  
MAGNET FOR  
HEALTH AND  
SCIENCE~~

~~The Health Science Magnet Program requires that all students follow the Advanced/Distinguished Achievement Program. The students will be required to complete all core subject area requisites with Pre-AP and AP courses. In addition, the students will complete all designated specialty courses in accordance with this policy in order to graduate with magnet distinction. The curriculum emphasizes health and science components.~~

- ~~4.0 English I, II, III, IV~~
  
- ~~4.0 Mathematics
  - ~~–Algebra I~~
  - ~~–Algebra II~~
  - ~~–Geometry~~
  - ~~–4th Math course~~~~
  
- ~~4.0 Science
  - ~~–Biology I~~
  - ~~–Chemistry I~~
  - ~~–Physics I~~
  - ~~–4th Science course~~~~
  
- ~~3.5 Social Studies
  - ~~–World Geography~~
  - ~~–World History~~
  - ~~–U.S. History~~
  - ~~–American Government (0.5)~~~~
  
- ~~3.0 Foreign Language
  - ~~Spanish I, II, III or AP Spanish IV or~~
  - ~~French I, II, III~~~~

- ~~1.0 Business Information Management I~~
- ~~1.0 Physical Education~~
- ~~1.0 Fine Arts~~
- ~~0.5 Speech~~
- ~~0.5 Economics~~
  
- ~~Health Professions Electives~~
- ~~1.0 –Principles of Health Science~~
- ~~2.0 –Practicum in Health Science~~
- ~~1.0 Health Science~~
- ~~1.0 –Anatomy/Physiology~~
- ~~1.0 –World Health Research~~
- ~~0.5 –Medical Microbiology~~
- ~~0.5 –Medical Terminology~~
- ~~1.0 –Pathophysiology~~
  
- ~~30.5 Total Credits~~

UNITED SOUTH  
HIGH SCHOOL  
ACADEMY OF  
GLOBAL BUSINESS  
AND ADVANCED  
TECHNOLOGY  
MAGNET

The academy of Global Business and Advanced Technology Magnet Program requires that all students follow the Advanced/Distinguished Achievement Program. The students will be required to complete all core subject area requisites with Pre-AP and AP courses. In addition, the students will complete all designated specialty courses in accordance with this policy in order to graduate with the magnet distinction. The curriculum emphasizes business and technology components.

- 4.0 English I, II, III, IV
  
- 4.0 Mathematics
  - Algebra I
  - Geometry
  - Algebra II
  - 4th Math course
  
- 4.0 Science
  - Biology I
  - Chemistry I

- Physics I  
4th Science course
- 3.5 Social Studies
  - World Geography
  - World History
  - U.S. History
  - American Government (0.5)
- 3.0 Foreign Language
  - Spanish I, II, III or AP Spanish IV or
  - French I, II, III
- 1.0 Fine Arts
- 0.5 Speech
- 0.5 Health
- 0.5 Economics
- 1.0 Physical Education
- 1.0 Business Information Management I

Additionally, students will also complete either the courses under the Free Enterprise Pathway or the courses under the Information Technology Pathway.

**FREE ENTERPRISE PATHWAY**

- 1.0 Accounting I
- 1.0 Business Management
- 1.0 Retailing and E-tailing
- 1.0 Global Business
- 1.0 Securities and Investments
- 2.0 Practicum in Business Management

**Or**

**INFORMATION TECHNOLOGY PATHWAY**

- 1.0 Business Management
- 2.0 Computer Maintenance
- 2.0 Internetworking Technologies I and II
- 2.0 Internetworking Technologies III and IV

30.0 Total Credits

~~UNITED HIGH  
SCHOOL  
ENGINEERING AND  
TECHNOLOGY  
MAGNET~~

~~The Engineering and Technology Magnet Program requires that all students follow the Advanced/Distinguished Achievement Program. The students will be required to complete all core subject area requisites with Pre-AP and AP courses. In addition, the students will complete all designated specialty courses in accordance with this policy in order to graduate with magnet distinction. The curriculum emphasizes engineering components.~~

~~4.0 English I, II, III, IV~~

~~4.0 Mathematics~~

~~–Algebra I~~

~~–Geometry~~

~~–Algebra II~~

~~–4th Math course~~

~~4.0 Science~~

~~–Biology I~~

~~–Chemistry I~~

~~–Physics I~~

~~–4th Science course~~

~~3.5 Social Studies~~

~~–World Geography~~

~~–World History~~

~~–U.S. History~~

~~–American Government (0.5)~~

~~3.0 Foreign Language~~

~~Spanish I, II, III or AP Spanish IV or~~

~~French I, II, III~~

~~1.0 Fine Arts~~

~~0.5 Speech~~

~~0.5 Health~~

~~0.5 Economics~~

~~1.0 Physical Education~~

~~1.0 Business Information Management I~~

~~Engineering and Technology Electives~~

~~1.0 –Concepts of Engineering and Technology~~

~~1.0 –Engineering Design and Presentation~~

~~1.0 –AP Computer Science~~

~~2.0 –Practicum in Manufacturing~~

~~1.0 –Principals of Architecture and Construction~~

~~1.0 –Engineering Design and Problem Solving~~

~~30.0 Total Credits~~

MAGNET PROGRAMS  
FOR STUDENTS IN  
GRADE 9 IN 2011-2012  
AND THEREAFTER

J.B. ALEXANDER  
HIGH SCHOOL  
MAGNET FOR  
HEALTH AND  
SCIENCE

Beginning with students who entered grade 9 in the 2011–12 school year and thereafter, graduation plans and course requirements for the District's magnet schools will be as follows.

The Health Science Magnet Program requires that all students follow the Advanced/Distinguished Achievement Program. The students will be required to complete all core subject area requisites with Pre-AP and AP courses. In addition, the students will complete all designated specialty courses in accordance with this policy in order to graduate with magnet distinction. The curriculum emphasizes health and science components.

4.0 English I, II, III, IV

4.0 Mathematics

Algebra I

Algebra II

Geometry

4th Math course

4.0 Science

Biology I

	<u>Chemistry I</u>
	<u>Physics I</u>
	<u>4th Science course</u>
3.5	<u>Social Studies</u>
	<u>World Geography</u>
	<u>World History</u>
	<u>U.S. History</u>
	<u>American Government (0.5)</u>
3.0	<u>Foreign Language</u>
	<u>Spanish I, II, III or AP Spanish IV or</u>
	<u>French I, II, III</u>
1.0	<u>Business Information Management I</u>
1.0	<u>Physical Education</u>
1.0	<u>Fine Arts</u>
0.5	<u>Speech</u>
0.5	<u>Economics</u>
	<u>Health Professions Electives</u>
1.0	<u>Principles of Health Science</u>
2.0	<u>Practicum in Health Science</u>
1.0	<u>Health Science</u>
1.0	<u>Anatomy/Physiology</u>
4.0	<del><u>World Health Research</u></del>
0.5	<u>Medical Microbiology</u>
0.5	<u>Medical Terminology</u>
1.0	<u>Pathophysiology</u>
1.0	<u>Scientific Research and Design</u>
30.5	<u>Total Credits</u>

UNITED HIGH  
SCHOOL  
ENGINEERING AND  
TECHNOLOGY  
MAGNET

The Engineering and Technology Magnet Program requires that all students follow the Advanced/Distinguished Achievement Program. The students will be required to complete all core subject area requisites with Pre-AP and AP courses. In addition, the students will complete all designated specialty courses in accordance with this



policy in order to graduate with magnet distinction. The curriculum emphasizes engineering components.

4.0 English I, II, III, IV

4.0 Mathematics

Algebra I

Geometry

Algebra II

4th Math course

4.0 Science

Biology I

Chemistry I

Physics I

4th Science course

3.5 Social Studies

World Geography

World History

U.S. History

American Government (0.5)

3.0 Foreign Language

Spanish I, II, III or AP Spanish IV or

French I, II, III

1.0 Fine Arts

0.5 Speech

0.5 Health

0.5 Economics

1.0 Physical Education

1.0 Business Information Management I

Engineering and Technology Electives

1.0 Concepts of Engineering and Technology

- 1.0    Engineering Design and Presentation
- 1.0    Pre-AP or AP Computer Science
- 1.0    Engineering Design and Problem Solving
- 1.0    AP Statistics or AP Calculus
- 2.0    Practicum in Manufacturing or 1.0 credit in Principles of Architecture and Construction and 1.0 credit of Problems and Solutions
  
- 30.0   Total Credits

As part of the Distinguished Achievement Program a student must also achieve any combination of four of the following advanced measures: a score of 3 or better on College Board Advanced Placement tests; college academic courses, including those taken for dual credit, and advanced technical credit courses, including locally articulated courses, with a grade of 3.0 or higher; a score on the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT) that qualifies the student for recognition as commended scholar or higher by the College Board ; or an original research project evaluated by a panel of professional judges.

MAGNET PROGRAMS FOR STUDENTS IN GRADE 9 IN 2014-2015 AND THEREAFTER

Beginning with students who entered grade 9 in the 2014–15 school year and thereafter, graduation plans and course requirements for the District's magnet schools will be as follows. Students will be required to complete all course work as referenced above under each magnet and must complete the District and state requirements for graduation under the Distinguished Level of Achievement with an Endorsement. The student will be required to complete all core subject area requisites with Pre-AP and AP (College Board Pre-Advanced Placement and Advancement Placement courses).