



UNITED INDEPENDENT SCHOOL DISTRICT AGENDA ACTION ITEM

TOPIC: Second Reading of Policy EIF (LOCAL) – Academic Achievement - Graduation

SUBMITTED BY: Christina Uribe Flores, Director of Guidance & Counseling

APPROVED FOR TRANSMITTAL TO SCHOOL BOARD: _____

DATE ASSIGNED FOR BOARD CONSIDERATION: August 22, 2012

Recommendation:

It is recommended that the United ISD Board of Trustees approve Second Reading of Policy EIF (LOCAL) – Academic Achievement – Graduation.

In order to effectively utilize the five period day in the student’s high school schedule, it is recommended to increase the number of District required credits on each of the three graduation plans. In addition, magnet course selections were aligned to ensure consistency district wide.

Rationale:

Budgetary Information:

Board Policy Reference and Compliance:

ACADEMIC ACHIEVEMENT
GRADUATION

EIF
(LOCAL)

MINIMUM PROGRAM

~~The District requires no additional credits for graduation under the Minimum Program beyond the number mandated by the state.~~

For students who entered grade 9 in the 2012-2013 school year and thereafter, the District shall require completion of four credits in addition to those required by the state for graduation under the Minimum Program for a total of 26 credits. The additional credits shall be one science, one math and two electives. The campus student support team shall determine whether waiving the four additional credit requirements is appropriate for the student [See EIF (Regulation)]

RECOMMENDED
PROGRAM

~~The District requires no additional credits for graduation under the Recommended Program beyond the number mandated by the state.~~

For students who entered grade 9 in the 2012-2013 school year and thereafter, the District shall require completion of four credits in addition to those required by the state for graduation under the Recommended Program for a total of 30 credits. The additional credits shall be electives.

ADVANCED /
DISTINGUISHED
ACHIEVEMENT
PROGRAM

~~The District requires no additional credits for graduation under the Advanced/Distinguished Achievement Program beyond the number mandated by the state, with the exception of the District's magnet schools.~~

For students who entered grade 9 in the 2012-2013 school year and thereafter, the District shall require completion of four credits in addition to those required by the state for graduation under the Distinguished Achievement Program for a total of 30 credits. The additional credits shall be electives.

In addition, the District requires completion of additional credits in addition to the number mandated by the state for graduation from the District's magnet programs under the Advanced/Distinguished Achievement Program.

To graduate, a student must complete the courses required by the District in addition to the courses mandated by the state. The list of courses required for each of the magnet programs may be found in administrative regulations.

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 shall 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 shall 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
 - Precalculus and/or Calculus

- 4.0 Science
 - Biology I
 - Chemistry I
 - Physics I
 - Biology II, Chemistry II, or Physics II

- 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

- 6.0 Health Professions
 - Principles of Health Science (1.0)
 - Health Science (2.0)
 - Clinical Rotations
 - Dental
 - Advanced Dental
 - Anatomy/Physiology** (1.0)
 - Scientific Research and Design** (1.0)
 - Medical Microbiology (0.5)
 - Pharmacology (0.5)

- 27.5 Total Credits

~~** Advanced Measure~~

~~Other advanced measures could include a score of 3 or better on College Board Advanced Placement tests, college courses, techprep 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 shall 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
 - Precalculus and/or Calculus

ACADEMIC ACHIEVEMENT
GRADUATION

EIF
(LOCAL)

- 4.0 Science
 - ~~–Biology I~~
 - ~~–Chemistry I~~
 - ~~–Physics I~~
 - ~~–Biology II, Chemistry II, Physics II, or~~
 - ~~–Anatomy and Physiology~~

- 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 Computer Art (Fine Arts)

0.5 Speech

0.5 Health

0.5 Economics

1.5 Physical Education (Administrative Procedures**)

1.0 Business Information Management I

~~Additionally, students shall 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 E-Commerce~~

~~1.0 Global Business**~~

~~1.0 Problems and Solutions~~

~~1.0 Principles of Business, Marketing, and Finance~~

~~1.0 Graphic Design and Illustration~~

~~1.0 Practicum in Business Management~~

31.5 Total Credits

Or

~~INFORMATION TECHNOLOGY PATHWAY~~

- ~~1.0 Business Management~~
- ~~2.0 Principles of Information Technology and Computer Maintenance~~
- ~~2.0 Internetworking Technologies~~
- ~~2.0 Practicum in Business Management~~

- 30.5 Total Credits

~~** Advanced Measure~~

~~Other advanced measures 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 shall 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~~
 - ~~–Precalculus and/or Calculus~~

- ~~4.0 Science~~
 - ~~–Biology I~~
 - ~~–Chemistry I~~
 - ~~–Physics I~~
 - ~~–Biology II, Chemistry II, Physics II, or~~
 - ~~–Anatomy and Physiology~~

- 3.5 Social Studies

ACADEMIC ACHIEVEMENT
GRADUATION

EIF
(LOCAL)

- ~~–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
- 1.5 Physical Education

- 1.0 ~~Technology: Computer Science~~
- 7.0 ~~Engineering Electives~~
 - ~~–Principles of Manufacturing~~
 - ~~–Engineering Design and Presentation~~
 - ~~–Concepts of Engineering and Technology~~
 - ~~–Engineering Design and Problem Solving~~
 - ~~–Advanced Engineering and Presentation~~
 - ~~–Practicum in Manufacturing~~

- 1.0 Scientific Research and Design**

- 31.5 Total Credits

~~**Advanced Measure~~

~~Other advanced measures 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 shall 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 shall be required to complete all core subject area requisites with Pre-AP and AP courses. In addition, the students shall 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~~

~~-Precalculus and/or Calculus~~

~~4.0 Science~~

~~-Biology I~~

~~-Chemistry I~~

~~-Physics I~~

~~-Biology II, Chemistry II, or Physics II~~

~~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~~

- 7.0 Health Professions
 - ~~–Principles of Health Science (1.0)~~
 - ~~–Health Science (2.0)~~
 - Clinical Rotations
 - Dental
 - Advanced Dental
 - ~~–Anatomy/Physiology** (1.0)~~
 - ~~–World and Health Research (1.0)~~
 - ~~–Medical Microbiology (0.5)~~
 - ~~–Medical Terminology (0.5)~~
 - ~~–Pathophysiology (1.0)~~

29.5 Total Credits

UNITED SOUTH
HIGH SCHOOL
ACADEMY OF
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~~The academy of Global Business and Advanced Technology Magnet Program requires that all students follow the Advanced/Distinguished Achievement Program. The students shall be required to complete all core subject area requisites with Pre-AP and AP courses. In addition, the students shall 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~~
 - ~~–Precalculus and/or Calculus~~
- 4.0 Science
 - ~~–Biology I~~
 - ~~–Chemistry I~~
 - ~~–Physics I~~
 - ~~–Biology II, Chemistry II, Physics II, or~~
 - ~~–Anatomy and Physiology~~

- 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 shall also complete either the courses under the Free Enterprise Pathway or the courses under the Information Technology Pathway.~~

- 7.0 ~~FREE ENTERPRISE PATHWAY~~
 - ~~Accounting I (1.0)~~
 - ~~Business Management (1.0)~~
 - ~~Retailing and E-tailing (1.0)~~
 - ~~Global Business (1.0)~~
 - ~~Securities and Investments (1.0)~~
 - ~~Practicum in Business Management (2.0)~~

~~Or~~

- 7.0 ~~INFORMATION TECHNOLOGY PATHWAY~~
 - ~~Business Management (1.0)~~
 - ~~Computer Maintenance (2.0)~~
 - ~~Internetworking Technologies I and II (2.0)~~
 - ~~Internetworking Technologies III and IV (2.0)~~

- 30.0 Total Credits

UNITED HIGH
SCHOOL
ENGINEERING AND
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MAGNET

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

~~–Precalculus and/or Calculus~~

~~4.0 Science~~

~~–Biology I~~

~~–Chemistry I~~

~~–Physics I~~

~~–Biology II, Chemistry II, Physics II, or~~

~~–Anatomy and Physiology~~

~~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~~

ACADEMIC ACHIEVEMENT
GRADUATION

EIF
(LOCAL)

- 4.0 ~~Business Information Management I~~
- 7.0 ~~Engineering and Technology Electives~~
 - ~~– Concepts of Engineering and Technology (1.0)~~
 - ~~– Engineering Design and Presentation (1.0)~~
 - ~~– AP Computer Science (1.0)~~
 - ~~– Practicum in STEM (2.0)~~
 - ~~– Advanced Engineering and Presentation (1.0)~~
 - ~~– Engineering Design and Problem Solving (1.0)~~

- 30.0 ~~Total Credits~~

PHYSICAL EDUCATION SUBSTITUTIONS The District shall allow students to substitute certain physical activities for the required credits of physical education. Such substitution shall be based on the physical activity involved in the courses listed for this purpose in state rules. [See EIF(LEGAL)]

NO OTHER PHYSICAL ACTIVITY PROGRAMS The District shall not award state graduation credit for physical education for private or commercially sponsored physical activity programs conducted either on or off campus. [See also EHAC]

READING CREDITS The District shall offer up to 3 credits of reading for state graduation credit. The Superintendent or designee shall be responsible for establishing procedures to assess individual student needs and evaluate student progress and shall monitor instructional activities to ensure that student needs are met. Students shall be identified as eligible to earn reading credit based on:

1. Recommendation by a teacher or counselor.
2. Scores on assessment instruments and/or achievement tests.

TRANSFER STUDENTS ~~Transfer students shall complete all state graduation requirements to be eligible for a Texas diploma. Units required for graduation that are not complete prior to enrolling in the District may be satisfied through credit by examination, by completing the course, or by demonstrating achievement by meeting the standard requirements of the course.~~

[Transfer students shall be required to meet District requirements for graduation.](#)

PROPOSED REGULATION

**MINIMUM PROGRAM:
WAIVERS AND OPTIONS** The individual campus student support team will meet to determine if the additional courses required by the District's Minimum High School Graduation Program can be waived to allow a student to graduate under the State Minimum High School Program, which requires 22 credits. A parent's or legal guardian's signature will be required in order for the student to be placed on the State Minimum Program.

**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 shall be as follows.

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SCIENCE** The Health Science Magnet Program requires that all students follow the Advanced/Distinguished Achievement Program. The students shall 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
~~Precalculus and/or Calculus~~ 4th Math

4.0 Science
Biology I
Chemistry I
Physics I
~~Biology II, Chemistry II, or Physics II~~ 4th Science

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
6.0	Health Professions Electives
1.0	Principles of Health Science (1.0)
2.0	Health Science (2.0) Clinical Rotations Dental Advanced Dental
1.0	Anatomy/Physiology** (1.0)
1.0	Scientific Research and Design** (1.0) World Health Research (1.0)
0.5	Medical Microbiology (0.5)
0.5	Pharmacology (0.5) Medical Terminology (0.5)
1.0	Pathophysiology (1.0)
27.5	Total Credits
29.5	

**** Advanced Measure**

Other advanced measures 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.

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- 4.0 English I, II, III, IV
- 4.0 Mathematics
 - Algebra I
 - Geometry
 - Algebra II
 - ~~Precalculus and/or Calculus~~ 4th Math
- 4.0 Science
 - Biology I
 - Chemistry I
 - Physics I
 - ~~Biology II, Chemistry II, Physics II, or Anatomy and Physiology~~ 4th Science
- 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 ~~Computer Art (Fine Arts)~~
- 0.5 Speech
- 0.5 Health
- 0.5 Economics
- 1.50 Physical Education (~~Administrative Procedures**~~)
- 1.0 Business Information Management I

Additionally, students shall 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 ~~E-Commerce~~ Retailing and E-tailing
- 1.0 Global Business**
- 1.0 ~~Problems and Solutions~~ Securities and Investments
- 1.0 ~~Principles of Business, Marketing, and Finance~~
- 1.0 ~~Graphic Design and Illustration~~
- 1.0 Practicum in Business Management
- 2.0
- 31.5 Total Credits
- 30.0

Or

INFORMATION TECHNOLOGY PATHWAY

- 1.0 Business Management
- 2.0 ~~Principles of Information Technology and Computer Maintenance~~ Computer Maintenance
- 2.0 Internetworking Technologies I
- 2.0 Internetworking Technologies II
- 30.5 Total Credits
- 30.0

**** Advanced Measure**

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UNITED HIGH SCHOOL
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 - Algebra I
 - Geometry
 - Algebra II
 - ~~Precalculus and/or Calculus~~ 4th Math

- 4.0 Science
 - Biology I
 - Chemistry I
 - Physics I
 - ~~Biology II, Chemistry II, Physics II, or
Anatomy and Physiology~~ 4th Science

- 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
- 1.50 Physical Education

- 1.0 ~~Technology: Computer Science~~ Business Information Management I
- 7.0 Engineering Electives
 - ~~Principles of Manufacturing~~
 - 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
- 1.0 ~~Scientific Research and Design**~~

- 31.5 Total Credits
- 30.0

~~**Advanced Measure~~

~~Other~~ ~~a~~ Advanced measures 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 shall be as follows.

J.B. ALEXANDER
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The Health Science Magnet Program requires that all students follow the Advanced/Distinguished Achievement Program. The students shall be required to complete all core subject area requisites with Pre-AP and AP courses. In addition, the students shall 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
 - ~~Precalculus and/or Calculus~~ 4th Math

- 4.0 Science
 - Biology I
 - Chemistry I
 - Physics I
 - Biology II, Chemistry II, or Physics II 4th Science

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
7.0	Health Professions Electives
1.0	Principles of Health Science (1.0)
2.0	Practicum in Health Science (2.0)
	Clinical Rotations
1.0	Dental Health Science
	Advanced Dental
1.0	Anatomy/Physiology** (1.0)
1.0	World and Health Research (1.0)
.5	Medical Microbiology (0.5)
.5	Medical Terminology (0.5)
1.0	Pathophysiology (1.0)
29.5	Total Credits
30.5	

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- 4.0 English I, II, III, IV
- 4.0 Mathematics
 - Algebra I
 - Geometry
 - Algebra II
 - Precalculus and/or Calculus 4th Math
- 4.0 Science
 - Biology I
 - Chemistry I
 - Physics I
 - ~~Biology II, Chemistry II, Physics II, or~~
~~Anatomy and Physiology~~ 4th Science
- 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 shall also complete either the courses under the Free Enterprise Pathway or the courses under the Information Technology Pathway.

7.0 FREE ENTERPRISE PATHWAY

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

Or

7.0 INFORMATION TECHNOLOGY PATHWAY

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

30.0 Total Credits

UNITED HIGH
SCHOOL
ENGINEERING AND
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MAGNET

The Engineering and Technology Magnet Program requires that all students follow the Advanced/Distinguished Achievement Program. The students shall be required to complete all core subject area requisites with Pre-AP and AP courses. In addition, the students shall 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
 - ~~Precalculus and/or Calculus~~ 4th Math
- 4.0 Science
 - Biology I

	Chemistry I
	Physics I
	Biology II, Chemistry II, Physics II, or Anatomy and Physiology 4 th Science
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
7.0	Engineering and Technology Electives
1.0	Concepts of Engineering and Technology (1.0)
1.0	Engineering Design and Presentation (1.0)
1.0	AP Computer Science (1.0)
2.0	Practicum in STEM Manufacturing (2.0)
1.0	Advanced Engineering and Presentation (1.0) Prin- ciples of Architecture and Construction
1.0	Engineering Design and Problem Solving (1.0)
30.0	Total Credits