

Plano ISD

Graduation Plans

2018 Academic Planning

State Testing—End of Course Exams

- **Algebra 1**
- **Biology**
- **English 1**
- **English 2**
- **US History**

Foundation

with Endorsement Plan Requirements

English Language Arts

- English 1(or ESOL 1)
- English 2 (or ESOL 2)
- English 3
- English 4 or choice

Course options for 4th year of English

- English 4
- AP English Literature and Composition
- IB English 4 HL

If taken after English 3—

- Oral Interpretation 3
- Debate 3
- Yearbook 3
- Independent Study in Speech
- Independent Study in Journalism
- Literary Genres
- Creative Writing

Math – 4 credits

- **Algebra 1**
- **Geometry**
- **3rd year choice**
- **4th year choice**

Course options for 3rd and 4th year of math

- Math Models
- Algebra 2
- Statistics
- Accounting 2
- Digital Electronics

Algebra 2 is a prerequisite for the following courses—

- Precalculus
- Advanced Quantitative Reasoning
- Statistics (Dual Credit)
- AP Statistics
- AP Calculus AB
- AP Calculus BC
- Multivariable Calculus (Dual Credit)
- AP Computer Science A
- Math Independent Study
- IB Math Studies SL
- IB Calculus SL/HL

Social Studies—4 credits

- **World Geography**
- **World History**
- **US History**
- **Government/Economics**

Science—4 credits

- **Biology**
- **Choice – IPC or Chemistry**
- **3rd year choice**
- **4th year choice**

Course options for 3rd and 4th year of Science

- Chemistry
- Physics
- Earth and Space Science
- Environmental Systems
- AP or IB Biology SL/HL
- AP or IB Chemistry SL/HL
- AP Physics 1
- AP Physics 2
- AP Physics C Mechanics
- AP Physics C Electricity and Magnetism
- IB Physics SL/HL
- AP Environmental Science
- IB Environmental Systems SL
- Anatomy and Physiology
- Food Science
- Forensic Science
- Honors Scientific Research and Design
- Engineering Design and Problem Solving
- Engineering Science

Foundation with Endorsement Requirements

continued

- **Health – ½ credit**
 - **Languages other than English – 2 credits**
 - **Fine Arts – 1 credit**
 - **Physical Education – 1 credit**
 - **Professional Communications – ½ credit**
 - **Elective/Endorsement Choices – 5 credits**

 - **Total Credits Needed to Graduate – 26**
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- Students are enrolled in 7 courses per school year and have the opportunity to earn 28 credits in the 9th through 12th grades.
 - Distinguished Level of Achievement – Foundation/Endorsement Plan including Algebra 2. The Distinguished Level of Achievement must be met in order to be eligible for automatic admission to Texas public universities.

Prerequisites

- **All prerequisites must be met before taking a course.**
i.e.: Law Enforcement is a prerequisite for Forensic Science.
- **See the course catalog for details**

Fine Arts Courses

- **Art: 2D Design and Drawing, 3D Design and Sculpture, and Art and Media Communications**
- **AP Art: 2D Design, 3D Design, Drawing or Art History**
- **Theatre: Theatre Arts, Technical Theatre and Musical Theater**
- **Music: Band, Choir, Orchestra, Music Studies and AP Music Theory**
- **Dance**
- **IB Arts: Art, Dance and Theatre**
- **CTE: Floral Design**

Endorsements

In order to earn an endorsement, a student must complete—

- Algebra II
- Two additional elective credits for a total of 26 credits

A student may earn more than one endorsement.

Endorsement Pathways

- **Business and Industry**
- **Public Service**
- **STEM**
- **Arts and Humanities**
- **Multidisciplinary**

Business and Industry Pathway

Business and Industry Career Areas

- **Business Management**
- **Information Technology**
- **Culinary Arts/Hospitality**
- **Communications**
- **Accounting**
- **Finance**
- **Marketing**
- **Graphic Design**
- **Architecture**
- **Logistics**
- **Automotive Technology**
- **Agricultural Science**

Business and Industry Pathway

Within the requirements of the 26 required credits for graduation, a student must complete one of the concentration options below:

- CTE Concentration—4 credits
- English Concentration—4 additional credits
- Technology Applications Concentration—4 credits
- A coherent sequence of 4 credits from two or more concentrations above

Public Service Pathway

Public Services Career Areas

- **Health Sciences and Occupations**
- **Education and Training**
- **Law Enforcement**

Public Service Pathway

Within the requirements of the 26 required credits for graduation, a student must complete one of the concentration options below:

- **A coherent sequence of 4 or more Career and Technical Education credits**
- **JROTC—4 courses**

STEM Career Areas

- **Science**
- **Technology**
- **Engineering**
- **Advanced Math**

Within the requirements of the 26 required credits for graduation, a student must complete one of the concentration options below:

- **Career and Technical Education—4 credits**
- **Computer science—4 credits**
- **Math including 2 for which Algebra 2 is a pre-requisite—5 credits**
- **Science to include Biology, Chemistry, and Physics—5 credits**
- **In addition to Algebra II, Chemistry and Physics, a coherent sequence of 3 additional credits from no more than two of the categories above.**

Arts and Humanities Pathway

Arts and Humanities Career Areas

- **Cultural Studies**
- **English Literature**
- **Fine Arts**
- **History**
- **Political Science**
- **World Languages**

Arts and Humanities Pathway

Within the requirements of the 26 required credits for graduation, a student must complete one of the concentration options below:

- **Social Studies Concentration – 5 credits**
- **Languages other than English – 4 credits of any language or 2 credits each of two different languages**
- **Fine Arts – 4 credits of any fine arts sequence**
- **English — 4 elective credits**

Multidisciplinary Pathway

The Multidisciplinary Pathway consists of designated courses from several endorsement areas in each of the four Foundation subjects.

Within the requirements of the 26 required credits for graduation, a student must complete one of the concentration options below:

- **Workforce Concentration – 4 advanced courses that prepare a student for the workforce or post-secondary education**
- **Foundation Subjects Concentration - 4 credits in each of the four foundation areas (English, Math, Science, Social Studies) to include English 4 and Chemistry and/or Physics**
- **Advanced Placement or International Baccalaureate Concentration – 4 credits**

Foundation/Endorsement Information

- **Students are encouraged to research admission requirements for colleges and universities that they are interested in attending in order to align high school course selection with those requirements.**
- **The school counselor on each campus can provide assistance with questions about graduation requirements, course selection and college admission requirements.**

Opportunities for Advanced Coursework

- **Honors/Pre-AP**
- **Dual Credit**
- **Advanced Placement**
- **International Baccalaureate**

Benefits of Completing Advanced Coursework

- **Helps to develop college-level academic skills**
- **Increases likelihood of success in college**
- **Earning college credit in high school can save money and time in college**
- **Many college admissions committees appreciate advanced coursework on a high school transcript**

Honors/Pre-AP

Honors/Pre-AP courses include a wider range and greater depth of subject matter than an on-level course. Emphasis is placed on higher level and critical thinking skills, on creative, productive thinking and on independent guided research.

Dual Credit Courses

Plano ISD has a dual credit agreement with Collin College, which allows students to earn both high school and college credit for a particular course. Dual credit courses are currently offered in English Language Arts, Mathematics, Social Studies and Speech. In addition, the Learning Frameworks course is available for college credit only. Students interested in taking these courses are required to meet with their school counselor to review course options as well as the impact the course(s) may have on college degree plans.

Dual Credit Courses

- English 3 (grade 11)
- English 4 (grade 12)
- US History (grade 11)
- Government (grade 12)
- Economics (grade 12)
- Precalculus (grades 10 – 12)
- Statistics (grades 11 - 12)
- Multivariable Calculus (grades 11 – 12)
- Coming in 2019-20: Professional Communications (grade 10)

Course for College Credit Only

- **Learning Frameworks (grades 10 – 12)**

Advanced Placement

The Advanced Placement (AP) Program of the College Board enables students to complete college-level studies during high school. This “academic bridge” helps smooth the transition from high school to college. AP courses are designed to enrich the secondary school experience of students ready to apply themselves to college-level courses and to provide the means by which colleges may grant credit or placement, or both, to students with satisfactory AP exam scores.

International Baccalaureate

The IB World School prepares students for the challenges of the International Baccalaureate (IB) full diploma program. IB is an internationally recognized, comprehensive two year study taken in the 11th and 12th grades. The International Honors program is a locally developed series of courses taken in the 9th and 10th grades and designed to prepare students for the diploma program.