Plano ISD Graduation Plans

2017

Academic Planning
State Testing – End of Course Exams

- Algebra 1
- Biology
- English 1
- English 2
- US History
Foundation/Endorsement Plan Requirements
English Language Arts

- English 1
- English 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
- Professional Communications
- Literary Genres
- Creative Writing
Math – 4 credits

- Algebra 1
- Geometry
- 3\textsuperscript{rd} year choice
- 4\textsuperscript{th} 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
- AP Statistics
- AP Calculus AB
- AP Calculus BC
- 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 1/2
- AP Physics C Mechanics/Electricity & 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
Prerequisites

- All prerequisites must be met before taking a course.

  - *ie; Law Enforcement is a prerequisite for Forensic Science*

- See the course catalog for details
Foundation/Endorsement Requirements continued

- Health – ½ credit
- Foreign Language – 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
  - 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 top 10% automatic admission to state universities.
Fine Arts Courses

- Art
  - Drawing, Sculpture, Arts and Media Communications
- AP Art
  - Drawing Portfolio, 2D Design, 3D Design
- AP Art History
- Theater
- Technical Theater
- Dance
- Floral Design
Endorsements

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

- Algebra II
- A fourth credit in science, and
- 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:
  - Database Management
  - Information Technology
  - 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:

- A. Four credits in a CTE Concentration
- B. Four additional credits in English Concentration
- C. Four credits in a Technology applications Concentration
- D. A coherent sequence of four credits from two or more concentrations above
Public Service Pathway

- Public Services Career Areas:
  - Health Sciences and Occupations
  - Education and Training
  - Law Enforcement
  - Culinary Arts
  - Hospitality
Within the requirements of the 26 required credits for graduation, a student must complete one of the concentration options below:

- **A.** A coherent sequence of four or more Career and Technology credits
- **B.** Four courses in JROTC.
STEM (Science, Technology, Engineering and Math) PathWay

- 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:

- A. 4 credits—Career and Technical Education
- B. 4 credits—Computer science
- C. 5 credits in Math including 2 for which Algebra 2 is a pre-requisite.
- D. 5 credits in Science to include Biology, Chemistry, and Physics
- E. In addition to Algebra II, Chemistry and Physics, a coherent sequence of three additional credits from no more than two of the categories above.
Arts and Humanities Pathway

- Arts and Humanities Career Areas
  - Political Science
  - World Languages
  - Cultural Studies
  - English Literature
  - History
  - Fine Arts
Within the requirements of the 26 required credits for graduation, a student must complete one of the concentration options below:

A. Social Studies Concentration – 5 credits
B. LOTE – Four credits of any language or two credits each of two different languages
C. Fine Arts – Four credits of any fine arts sequence
D. Four English elective credits
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:

- **A. Workforce Concentration** – four advanced courses that prepare a student for the workforce or post-secondary education
- **B. 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
- **C. 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.