



# ISG DAMMAM COURSE CATALOG HIGH SCHOOL 2026-27

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#### **ENGLISH**

English 9R

English 10R

English 11R

AP Language and Composition

English 12R

AP English Literature and Composition

#### **ENGLISH ELECTIVES**

Journalism

SpeechP

Creative Writing

#### **MATH**

Algebra 1

Geometry

Algebra 2

PrecalculusP

AP PrecalculusP

CalculusP

AP Calculus ABP/A

Business Math

Statistics and Probability

#### **SCIENCE**

Foundational BiologyR

ChemistryP

AP ChemistryP/A

Earth Science

Astronomy

PhysicsP

AP Physics 1P/A

AP BiologyP/A  
Anatomy and Physiology  
AP Environmental Science

## **SOCIAL STUDIES**

World Geography & CulturesR  
Modern World HistoryR  
EconomicsP  
PsychologyP  
Business Studies  
AP Microeconomics  
AP Macroeconomics  
AP Psychology  
AP World History: Modern  
AP Business with Personal Finance  
Global Politics

## **GLOBAL LANGUAGES**

ARABIC  
Modern Standard Arabic (MSA 1)  
Modern Standard Arabic 2 (MSA 2)  
Arabic as a Foreign Language 1 (AFL 1)  
Arabic as a Foreign Language 2 (AFL 2)  
Arabic as a Foreign Language 3 (AFL 3)  
Arabic as a Foreign Language 4 (AFL4)  
Arabic Studies 11 (AS 11)  
Arabic Studies 12 (AS 12)

## **PHYSICAL EDUCATION AND HEALTH**

PE 9, 10, 11, 12

## **INFORMATION TECHNOLOGY**

Introduction to Computer Technology  
Programming  
Graphic Design  
Web Designing and Development  
AP Computer Science Principles  
AI Literacy

## **FINE ARTS**

Art  
AP Art and Design

## **AP Capstone Program**

AP Seminar  
AP Research

# **ISG DAMMAM**

## **HIGH SCHOOL COURSE CATALOG 2026-27**

### **Introduction**

This document will assist you/your child in scheduling classes and preparing for graduation. Course selection is fundamental to the realization of a career and higher education goals. Course choices should be based on graduation requirements, teacher recommendations, personal interests, past achievements, and plans after high school.

Parents and students are requested to study this information before making course selections. Additional assistance will be provided by your counselor, teachers, and administrators.

Please note that courses may not be offered in a given school year due to insufficient course requests.

Students are encouraged to select (an) alternative course/s should their requests for course/s not be available due to insufficient requests, lack of seat availability, or scheduling conflicts.

While every effort will be made to accommodate student requests, ISG Dammam will first ensure that students meet their graduation requirements. Only then will alternate course selection be considered.

### **[High School Profile \(2025-26\)](#)**

## Credits Required for Graduation

1. A student needs to earn at least 27 credits in grades 9 through 12:
  - i. One-half (0.5) credit is given for the successful completion of each semester of a yearlong course of study.
  - ii. Students need to complete both semesters of a yearlong course to earn one (1) credit.
  - iii. One-half (0.5) credit is given for the successful completion of a one -semester course of study.
2. The minimum credits required are:

| Subject            | Credit |
|--------------------|--------|
| English            | 4      |
| Science            | 3      |
| Social Studies     | 4      |
| Math               | 3      |
| Arts               | 1.5    |
| PE/Health          | 2      |
| Technology         | 1      |
| Global Languages   | 2      |
| Electives          | 5.5    |
| Arabic/KSA Studies | 1      |
| Total              | 27     |

3. A student must meet the *Saudi Arabian Ministry of Education Arabic Student* registration requirement for each year enrolled at ISG Dammam, which includes Arabic studies. The difference in the minimum number of credits is dependent on whether the student takes French or Arabic courses
4. While attending ISG Dammam, a student must be enrolled in school full-time
5. A transfer student must attend at least one semester at ISG Dammam High School to graduate.
  - a. Credits earned by a transferring student will count toward the student's graduation requirements.

- b. Grades earned by a transferring student will not count towards the student's GPA.
  - c. Currently, transfer credits are included in our High School Transcript but not in the MoE attested Noor transcript.
6. Earned Credits:  
To align our grading and reporting system with the Ministry of Education, students will earn 0.5 credits per semester.

This means that students must earn at least 60% each semester to receive credit for all of their classes. Failure in any semester will require the student to make up that credit (either online or in a subsequent academic year).

Seniors must earn at least 60% in all their classes to graduate. Since they will not have additional opportunities to earn credit at the high school level, any missing credits from previous years (grades 9 - 11) must be completed online through an ISG Dammam-recommended institution. Once a certified copy of the online course is submitted to the counseling office, the transfer credit will be reflected on the student's transcript. Transfer credits will appear as earned credits **only**; they **will not** include grades. ISG Dammam transcripts include only grades earned at ISG Dammam itself.

It is the student's responsibility to monitor and make up any missing credits. Please consult the high school counselor regarding registration at an online institution to complete required make-up credits.

### Credit Requirements

|                   |     |                        |     |
|-------------------|-----|------------------------|-----|
| • English:        | 4   | • PE/Health:           | 2   |
| • Science:        | 3   | • Technology:          | 1   |
| • Social Studies: | 4   | • Global Languages     | 2   |
| • Math:           | 3   | • Electives:           | 5.5 |
| • Arts:           | 1.5 | • Arabic/ KSA Studies: | 1   |

Total Required Credits: 27

### GPA Scale

## Advanced Placement (AP) Courses

1. Advanced Placement is a program run by the College Board that allows you to take special high school courses that can earn you college credit and/or qualify you for more advanced classes when you begin college. They are designed to give you the experience of an intro-level college class while you're still in high school. In addition, you may qualify for college credit for the class if you receive a specific score on the AP exam. This score varies from university to university.
2. Students who sign up for in-school AP courses will:
  - a. Have 2 weeks to decide if they wish to remain in the course. No course changes will be considered after the second week of school
  - b. Pay the required AP fees to the school within the allotted time
  - c. Take the AP exam on the date and time decided by the College Board
  - d. Not be given a refund after the final order for the AP exams has been made.
3. Self-study AP Courses:
  - a. Students may choose to take AP exams not offered at school as a regular course by informing the Counselor before the school-imposed.
  - b. The course registration and exam supervision expenses will be the student's responsibility, and this payment must be made along with the AP exam fees within the timeframe set by the school.
  - c. These courses will not count towards a student's graduation requirements and will not be included in the student's transcript.
  - d. Students will not be eligible for a refund after the final order for the AP exams has been made.

## Prerequisites (where applicable)

| To Take                       | A student requires                                                         |
|-------------------------------|----------------------------------------------------------------------------|
| <b>ENGLISH</b>                |                                                                            |
| AP Language and Composition   | +90% in previous English courses                                           |
| AP Literature and Composition | +90% in AP Language and Composition                                        |
| <b>MATH</b>                   |                                                                            |
| Algebra 2                     | Geometry                                                                   |
| Precalculus                   | +85% in Algebra 2 in each grading period                                   |
| Calculus                      | + 80% in Precalculus in each grading period                                |
| AP Calculus AB                | + 85% in Precalculus in each grading period                                |
| AP Precalculus                | + 85% in Precalculus or Algebra 2 in each grading period                   |
| <b>SCIENCE</b>                |                                                                            |
| Chemistry                     | Foundational Biology                                                       |
| AP Chemistry                  | + 85% in Chemistry in each grading period                                  |
| Earth and Space Science       | Biology 10/ Foundational Biology                                           |
| Physics                       | Completed or enrolled in Precalculus                                       |
| AP Physics 1                  | + 90% in Algebra 2 in each grading period                                  |
| AP Biology                    | + 85% in Foundational Biology and Chemistry in each grading period         |
| <b>SOCIAL STUDIES</b>         |                                                                            |
| AP Modern World History       | +90% in Modern World History in each grading period                        |
| AP Psychology                 | Taken in 11th or 12th grade, have completed or currently taking AP Seminar |
| <b>INFORMATION TECHNOLOGY</b> |                                                                            |
| Web Designing and Development | Introduction to Computer Technology                                        |
| Programming                   | Introduction to Computer Technology                                        |

**Course Progressions**

- English
- Math
- Science
- Social Studies
- Global Languages
- Specialists

## Student 4-Year Plan

Name: \_\_\_\_\_ Grade : \_\_\_\_\_

|                                     | Gr. 9                                                                                               | Gr. 10                                     | Gr. 11                                                                                                                                                                                                                                                         | Gr. 12                                                                                                                                         |
|-------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ENGLISH</b><br>(1 credit)        | English 9 <sup>R</sup>                                                                              | English 10 <sup>R</sup>                    | English 11 <sup>R</sup><br>AP Language and Composition <sup>P</sup>                                                                                                                                                                                            | English 12 <sup>R</sup><br>AP Literature and Composition <sup>P</sup>                                                                          |
| <b>MATH</b><br>(1 credit)           | Geometry<br>Algebra 1 <sup>R</sup>                                                                  | Geometry<br>Algebra 2 <sup>R</sup>         | Precalculus <sup>P</sup><br>Business Math<br>Statistics<br>AP Precalculus <sup>P</sup>                                                                                                                                                                         | Precalculus <sup>P</sup><br>Business Math<br>Statistics<br>Calculus <sup>P</sup><br>AP Precalculus <sup>P</sup><br>AP Calculus AB <sup>P</sup> |
| <b>SCIENCE</b><br>(1 credit)        | Foundational<br>Biology                                                                             | Chemistry                                  | Earth Science<br>Astronomy<br>Physics <sup>P</sup><br>Chemistry <sup>P</sup><br>Anatomy and Physiology <sup>P</sup><br>AP Environmental Science<br>AP Biology <sup>P</sup><br>AP Physics 1 <sup>P</sup><br>AP Chemistry <sup>P</sup>                           |                                                                                                                                                |
| <b>SOCIAL STUDIES</b><br>(1 credit) | World Geo and<br>Culture <sup>R</sup>                                                               | Modern<br>World History<br>10 <sup>R</sup> | Economics <sup>P</sup><br>Psychology <sup>P</sup><br>AP Psychology <sup>P/A</sup><br>AP Macroeconomics <sup>P/A</sup><br>AP Microeconomics <sup>PA</sup><br>AP World History: Modern <sup>PA</sup><br>Business Studies<br>AP Psychology<br>AP Business Studies |                                                                                                                                                |
| <b>GLOBAL LANGUAGES</b>             |                                                                                                     |                                            | Arabic Studies 11 <sup>M</sup><br>(0.5 credit)                                                                                                                                                                                                                 | Arabic Studies 12 <sup>M</sup><br>(0.5 credit)                                                                                                 |
|                                     | AFL L1, AFL L2, AFL L3, AFL 4<br>MSA L1, MSA L2, MSA L3, MSA L4<br>French 1, French 2<br>(1 credit) |                                            |                                                                                                                                                                                                                                                                |                                                                                                                                                |

|                                            |                                                                                                                                                                                               |       |       |       |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|
| <b>PE</b><br>(0.5 credit)                  | PE 9                                                                                                                                                                                          | PE 10 | PE 11 | PE 12 |
| <b>HEALTH</b><br>(0.5 credit)              | Health                                                                                                                                                                                        |       |       |       |
| <b>INFORMATION TECHNOLOGY</b>              | Graphic Design (1 credit)<br>Web Designing and Development<br>Introduction to Computer Technology<br>Digital Media<br>Programming<br>AI Literacy<br>AP Computer Science Principles (1 credit) |       |       |       |
| <b>Art Electives</b><br>(0.5 credits)      | Art<br>Digital Media<br>Graphic Design (1 credit)<br>Web Designing and Development<br>Drama<br>AP Art and Design (1 credit)                                                                   |       |       |       |
| <b>SEMESTER ELECTIVES</b><br>(0.5 credits) | Creative Writing<br>Speech and Debate<br>Global Politics                                                                                                                                      |       |       |       |
| <b>ELECTIVES YEAR</b><br>(1.0 credit)      | AP Seminar (Capstone Program)<br>AP Research (Capstone Program)<br>Journalism <sup>P</sup>                                                                                                    |       |       |       |

| Key |                                                              |
|-----|--------------------------------------------------------------|
| R   | Required Course                                              |
| P   | <a href="#">Prerequisites to take a course</a>               |
| M   | Ministry of Education Requirement                            |
| A   | <a href="#">See special conditions for taking AP Courses</a> |

### ENGINEERING

Engineering is focused on tackling real-world problems and coming up with solutions that shape the world around us; whether it is designing bridges, buildings or the next big tech breakthrough. If you enjoy math, physics, and hands-on problem solving, this pathway can lead to careers in fields such as civil, mechanical, electrical, aerospace, or environmental engineering.

| COLLEGE MAJORS                                                                                                          | CORE COURSEWORK                                                                                                                                                                                                              | COMPLIMENTARY COURSEWORK                                                                                                                                                                                                                                                                                                                 | CAREER CHOICES                                                                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Engineering</li> <li>• Physics</li> <li>• Chemistry</li> <li>• Math</li> </ul> | <ul style="list-style-type: none"> <li>• PreCalculus</li> <li>• AP PreCalculus</li> <li>• Calculus</li> <li>• AP Calculus</li> <li>• Physics</li> <li>• Chemistry</li> <li>• AP Physics 1</li> <li>• AP Chemistry</li> </ul> | <ul style="list-style-type: none"> <li>• Web Designing &amp; Dev't</li> <li>• Programming</li> <li>• Computer Technology</li> <li>• AP Computer Sci. Princ.</li> <li>• AP Computer Science A</li> <li>• AI Literacy</li> <li>• Graphic Design</li> <li>• AP Biology</li> <li>• Astronomy</li> <li>• Earth &amp; Space Science</li> </ul> | <ul style="list-style-type: none"> <li>• Bio-Chemical Engineer</li> <li>• Chemical Engineer</li> <li>• Civil Engineer</li> <li>• Computer Engineer</li> <li>• Mechanical Engineer</li> </ul> |

### TECHNOLOGY

Technology careers drive innovation, powering everything from software and robotics to artificial intelligence. If you are curious and like to figure out how things work, enjoy coding, and like creating tools that make life easier, this pathway can lead to careers in computer science, data analysis, cybersecurity, and more.

| COLLEGE MAJORS                                                                                                                                                                                                               | CORE COURSEWORK                                                                                                                                                                                                              | COMPLIMENTARY COURSEWORK                                                                                                                                                                                                                                                                                                                 | CAREER CHOICES                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Computer Science</li> <li>• FinTech</li> <li>• Data Science</li> <li>• AI</li> <li>• Business Analytics</li> <li>• Actuarial Science</li> <li>• Blockchain/Cybersecurity</li> </ul> | <ul style="list-style-type: none"> <li>• PreCalculus</li> <li>• AP PreCalculus</li> <li>• Calculus</li> <li>• AP Calculus</li> <li>• Physics</li> <li>• Chemistry</li> <li>• AP Physics 1</li> <li>• AP Chemistry</li> </ul> | <ul style="list-style-type: none"> <li>• Web Designing &amp; Dev't</li> <li>• Programming</li> <li>• Computer Technology</li> <li>• AP Computer Sci. Princ.</li> <li>• AP Computer Science A</li> <li>• AI Literacy</li> <li>• Graphic Design</li> <li>• AP Biology</li> <li>• Astronomy</li> <li>• Earth &amp; Space Science</li> </ul> | <ul style="list-style-type: none"> <li>• Software Developer</li> <li>• UX/UI Designer</li> <li>• Machine Learning Engineer</li> <li>• AI Specialist</li> <li>• Quantitative Analyst</li> <li>• Data Engineer</li> <li>• Network Engineer</li> </ul> |

### HEALTH SCIENCES

A career in health sciences focuses on improving health and saving lives. If you are passionate about biology, chemistry, and helping people, you could be on the path to becoming a doctor, nurse, pharmacist, or medical researcher. AP and/or IB SL or HL courses ensure strong preparation for rigorous medical programs.

| COLLEGE MAJORS                                                                                                                                                                      | CORE COURSEWORK                                                                                                                                                                                          | COMPLIMENTARY COURSEWORK                                                                                                                                             | CAREER CHOICES                                                                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Medicine</li> <li>• Nursing</li> <li>• Pharmacy</li> <li>• Physical Therapy</li> <li>• Dentistry</li> <li>• Veterinary Sciences</li> </ul> | <ul style="list-style-type: none"> <li>• PreCalculus</li> <li>• AP PreCalculus</li> <li>• Calculus,</li> <li>• AP Calculus</li> <li>• AP Biology</li> <li>• Chemistry</li> <li>• AP Chemistry</li> </ul> | <ul style="list-style-type: none"> <li>• Anatomy &amp; Physiology</li> <li>• Physics</li> <li>• AP Physics</li> <li>• Psychology</li> <li>• AP Psychology</li> </ul> | <ul style="list-style-type: none"> <li>• Medical Doctor</li> <li>• Nurse</li> <li>• Pharmacist</li> <li>• Veterinarian</li> <li>• Physical Therapist</li> <li>• Occupational Therapist</li> <li>• Dentist</li> <li>• Orthodontist</li> <li>• Psychiatry</li> </ul> |

## FINANCE

Finance is the language of businesses, money, investments, and markets. If you have a knack with numbers, enjoy solving complex problems, and want to understand how economies work, this pathway can lead to careers in banking, investment, accounting, business management, or cutting edge financial technology.

| COLLEGE MAJORS                                                                                                                                                                                                           | CORE COURSEWORK                                                                                                                                                                                        | COMPLIMENTARY COURSEWORK                                                                                                                                                                                                                                                                 | CAREER CHOICES                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Finance</li> <li>• Financial Economics</li> <li>• Banking</li> <li>• Accounting</li> <li>• Economics</li> <li>• Business Administration</li> <li>• Actuarial Science</li> </ul> | <ul style="list-style-type: none"> <li>• PreCalculus</li> <li>• AP PreCalculus</li> <li>• Calculus</li> <li>• AP Calculus</li> <li>• Business Studies</li> <li>• Statistics and Probability</li> </ul> | <ul style="list-style-type: none"> <li>• Web Designing and Development</li> <li>• Programming</li> <li>• Computer Technology</li> <li>• AP Computer Science Principles</li> <li>• AP Computer Science A</li> <li>• AI Literacy</li> <li>• Psychology</li> <li>• AP Psychology</li> </ul> | <ul style="list-style-type: none"> <li>• Financial Analyst</li> <li>• Accountant</li> <li>• Auditor</li> <li>• Forensic Accountant</li> <li>• Actuary</li> <li>• Banker</li> <li>• Investment Strategist</li> <li>• Compliance Analyst</li> <li>• Tax Specialist</li> </ul> |

## BUSINESS

Business is about turning ideas into action—whether running a company, launching a start-up, or working in marketing, management, or operations. If you are more interested in leadership, strategy, and innovation, this pathway will help you develop the communication, problem-solving, and organizational skills needed for success.

| COLLEGE MAJORS                                                                                                                                                                                 | CORE COURSEWORK                                                                                                                                                                                        | COMPLIMENTARY COURSEWORK                                                                                                                                                                                                                       | CAREER CHOICES                                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Business Administration</li> <li>• Marketing</li> <li>• Human Resources Management</li> <li>• International Business</li> <li>• Accounting</li> </ul> | <ul style="list-style-type: none"> <li>• PreCalculus</li> <li>• AP PreCalculus</li> <li>• Calculus</li> <li>• AP Calculus</li> <li>• Business Studies</li> <li>• Statistics and Probability</li> </ul> | <ul style="list-style-type: none"> <li>• Web Designing and Development</li> <li>• Digital Media</li> <li>• Computer Technology</li> <li>• AI Literacy</li> <li>• Psychology</li> <li>• AP Psychology</li> <li>• AP Art &amp; Design</li> </ul> | <ul style="list-style-type: none"> <li>• Business</li> <li>• Projects</li> <li>• Operations</li> <li>• Marketing Management</li> <li>• Digital Sales</li> <li>• Human Resources Recruiter</li> <li>• Venture Capitalist Analyst</li> </ul> |

## LAW

Law shapes and defines the rules that guide how society functions. If you enjoy debate, critical

thinking, and understanding how laws affect people's lives, this pathway could lead to careers as a lawyer, judge, policy advisor, or legal researcher. AP and/or IB courses will help you develop the analysis, reasoning, and communication skills needed in the legal field.

| COLLEGE MAJORS                                                                                                                                                                                 | CORE COURSEWORK                                                                                                                                                                                                                                                                  | COMPLIMENTARY COURSEWORK                                                                                                                                                                                                                                           | CAREER CHOICES                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Law, Criminology</li> <li>• Public Policy/Public Administration</li> <li>• Forensic Science</li> <li>• Cybersecurity</li> <li>• Public Law</li> </ul> | <ul style="list-style-type: none"> <li>• Psychology</li> <li>• AP Psychology</li> <li>• AP Language &amp; Comp.</li> <li>• PreCalculus</li> <li>• AP PreCalculus</li> <li>• Calculus</li> <li>• AP Calculus</li> <li>• AP Microeconomics</li> <li>• AP Macroeconomics</li> </ul> | <ul style="list-style-type: none"> <li>• Global Politics</li> <li>• AP Modern World History</li> <li>• Business Studies</li> <li>• Statistics and Probability</li> <li>• Any AP science course</li> <li>• Speech and Debate</li> <li>• Creative Writing</li> </ul> | <ul style="list-style-type: none"> <li>• Lawyer</li> <li>• Judge</li> <li>• Paralegal</li> <li>• Public Defender</li> <li>• Prosecutor</li> <li>• Diplomat</li> <li>• Public Administrator</li> </ul> |

## DESIGN

Design brings together creativity and technical skills to shape the spaces where people live, work, and play. If you enjoy art, problem-solving, and imagining how environments can be both beautiful and functional, this pathway can lead to careers in architecture, interior design, landscape design, or urban planning. AP and/or IB courses will help you develop strong design thinking, spatial awareness, and technical skills for competitive programs.

| COLLEGE MAJORS                                                                                                                                                                                              | CORE COURSEWORK                                                                                                                                                                                                                                                                | COMPLIMENTARY COURSEWORK                                                                                                                                                                                                        | CAREER CHOICES                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Architecture</li> <li>• Interior Design</li> <li>• Urban Planning</li> <li>• UX/UI Design</li> <li>• Sustainable Design</li> <li>• Communication Design</li> </ul> | <ul style="list-style-type: none"> <li>• AP Art &amp; Design</li> <li>• Psychology</li> <li>• AP Psychology</li> <li>• Pre- Calculus</li> <li>• AP PreCalculus</li> <li>• Calculus</li> <li>• AP Calculus</li> <li>• AP Microeconomics</li> <li>• AP Macroeconomics</li> </ul> | <ul style="list-style-type: none"> <li>• Graphic Design</li> <li>• Art</li> <li>• Digital Media</li> <li>• Creative Writing</li> <li>• AI Literacy</li> <li>• Web Designing and Development</li> <li>• Any AP course</li> </ul> | <ul style="list-style-type: none"> <li>• Architect</li> <li>• Interior Designer</li> <li>• Landscape Architect</li> <li>• Product Designer</li> <li>• Sustainable Designer</li> <li>• Environmental Planner</li> </ul> |

## HUMANITIES & SOCIAL SCIENCES

The Humanities and Social Sciences explore how people think, learn, lead, create, and interact, both as individuals and within societies. If you enjoy understanding people, studying cultures, analyzing global issues, or helping others learn and grow, this pathway can lead to careers in public service, diplomacy, education, counseling, community development, journalism, law, or nonprofit work.

| COLLEGE MAJORS                                                                                                                                                                                                                                       | CORE COURSEWORK                                                                                                                                                                                                                                                                                                     | COMPLIMENTARY COURSEWORK                                                                                                                                                                                                                                                                                                                         | CAREER CHOICES                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• History</li> <li>• International Relations</li> <li>• Philosophy</li> <li>• Education</li> <li>• Psychology</li> <li>• Sociology</li> <li>• Journalism</li> <li>• Classics</li> <li>• Literature</li> </ul> | <ul style="list-style-type: none"> <li>• Psychology</li> <li>• AP Psychology</li> <li>• AP Modern World History</li> <li>• AP Language &amp; Comp.</li> <li>• AP Microeconomics</li> <li>• AP Macroeconomics</li> <li>• PreCalculus</li> <li>• AP PreCalculus</li> <li>• Calculus</li> <li>• AP Calculus</li> </ul> | <ul style="list-style-type: none"> <li>• Global Politics</li> <li>• AP Modern World History</li> <li>• Business Studies</li> <li>• AP Biology</li> <li>• Physics</li> <li>• Chemistry</li> <li>• AP Chemistry</li> <li>• AP Physics</li> <li>• Speech and Debate</li> <li>• Creative Writing</li> <li>• Graphic Design</li> <li>• Art</li> </ul> | <ul style="list-style-type: none"> <li>• Teacher</li> <li>• Counselor</li> <li>• Curriculum Developer</li> <li>• Social Worker</li> <li>• Mental Health Therapist</li> <li>• Political Scientist</li> <li>• Public Relations Specialist</li> <li>• Media Analyst</li> <li>• Diplomat</li> <li>• Politics</li> </ul> |

|  |                                                                              |                                                                                                                                                       |  |
|--|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|  | <ul style="list-style-type: none"> <li>Statistics and Probability</li> </ul> | <ul style="list-style-type: none"> <li>Digital Media</li> <li>Creative Writing</li> <li>AI Literacy</li> <li>Web Designing and Development</li> </ul> |  |
|--|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--|

## Course Descriptions

|                                                                                                                                      |                                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>English</li> <li>Science</li> <li>Global Languages</li> <li>Information Technology</li> </ul> | <ul style="list-style-type: none"> <li>Math</li> <li>Social Studies</li> <li>PE/Health</li> <li>Fine Arts</li> </ul> |
|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|

### ENGLISH

The ISG Dammam high school English program uses the workshop approach to enhance students' reading, writing, listening, speaking, and drama skills. The English curriculum aims to inculcate a love for and an appreciation of literature by reading and comprehending a variety of genres and styles. These include novels, short stories, plays, nonfiction texts, and poetry. With the writer's workshop model, students focus on skills such as analysis, structure, and academic writing while improving their overall writing quality.

**English Requirements:** Students must complete four credits, one in each grade of high school, to satisfy graduation requirements.

**English 9<sup>R</sup>****Grade Level: 9****Prerequisite:** None**Credits: 1****may not be repeated for credit**

This is a required full-year course designed to develop a keen understanding of the different genres and craft moves while developing a sound foundation for the reading comprehension required throughout high school.

Students will read a variety of genres as they explore different themes, and will learn to analyze each text for its specific elements and authors' moves. They will participate in collaborative activities such as book clubs and research projects, and learn to have effective book club conversations and strengthen their research, analysis, and synthesis skills. They will learn to apply the moves as they write across narrative, argument, and expository genres. Effective use of digital tools to create different writing products will be taught.

**English 10<sup>R</sup>****Grade Level: 10****Prerequisite:** None**Credits: 1****may not be repeated for credit**

Students will explore the methods of organizing and developing ideas. They will also master the skill of providing evidence and supporting details in narrative, descriptive, expository, and persuasive writing prompts and essays. Students will be required to write essays, plays, poetry and short stories, as well as complete a research paper for the course.

To ensure the objective is met, students will be engaged in writing activities across the curriculum. To be successful, students will read, express ideas in written, visual, and oral form, and have appropriate skills for group interaction. Previously studied composition skills and application of the writing process are necessary to adequately address specific writing assignments. In addition, students should be self-motivated learners who are willing to accept the challenge and reward of more difficult reading and assignments. They should be independently organized and written with grammatical accuracy.

**Grade 11 – one of the following courses is required:**

**English 11<sup>R</sup>**

**Credits: 1**

**Grade Level: 11**

**may not be repeated for credit**

**Prerequisite:** None

In this course, students are exposed to American literature from the colonial period into the modern age. This course will explore the methods of organizing and developing ideas.

Students will master the skill of providing evidence and supporting details in narrative, descriptive, expository and persuasive writing prompts and essays. In order for students to succeed, they are expected to read and comprehend, express their views and opinions in formal creative writing as well as verbally. They must be able to work effectively individually or in a group. Above all, students need to be self-motivated and willing to participate in class discussions and writing activities.

To be successful, students must read and comprehend well and express opinions and ideas verbally and in writing. Students should be confident, creative and willing to accept the ideas and opinions of others. Working as a positive group member is mandatory. Students are expected to be self-motivated and willing to participate in class activities and discussions.

**AP Language and Composition**

**Credits: 1**

**Grade Level: 11-12**

**may not be repeated for credit**

**Prerequisite:** +90% in previous English Courses

The AP English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts and the decisions writers make as they compose and revise.

Students evaluate, synthesize and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts—including images as forms of text— from a range of disciplines and historical periods.

**Grade 12– one of the following courses is required:**

**English 12<sup>R</sup>**

**Credits: 1**

**Grade Level: 12**

**may not be repeated for credit**

**Prerequisite:** None

In this course, students are exposed to different media including (but not limited to) poetry, short stories, novels, plays and films. As the English language is a central part in our increasingly globalized world, students should continually develop their skills of reading, writing, listening and speaking in order to best prepare for their futures.

This course specifically covers British Literature and students will analyze authors and playwrights such as Charles Dickens, Jane Austin and William Shakespeare. An emphasis will be placed on student-based learning and critical thinking in order to set students on the right path for post-secondary education. Students will need to be responsible for their own learning, be self-motivated and willing to participate in class activities and discussions. This includes being prepared and finishing all work on time.

Students will also need to write, in formal language, numerous written assignments such as essays, paragraphs and scripts. Along with written work, students will make oral presentations.

To be successful, students must read and comprehend the written words, as well as to express opinions and ideas verbally, and in writing.

**AP English Literature and Composition**

**Credits: 1**

**Grade Level: 12**

**may not be repeated for credit**

**Prerequisite:** +90% in AP Language and Composition

This course focuses on reading, analyzing and writing about imaginative literature (fiction, poetry, drama) from various periods. The course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments.

Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods.

To be successful, students must have a good command of written words, and communicate at a high level in English.

## ENGLISH ELECTIVES

### Journalism

**Credits: 1**

**Grade Level: 12**

**may not be repeated for credit**

**Prerequisite:** Graphic Design

Students taking this course will design and publish the annual high school yearbook. Students will develop marketable skills such as meeting specific deadlines, taking on publication roles, designing spreads, desktop publishing, photography and feature writing.

Proofreading and editing skills will continually develop throughout the course. Students will be assessed and graded according to task management and performance in the various roles they assume.

### Speech<sup>P</sup>

**Credits: 0.5**

**Grade Level: 9-12**

**may not be repeated for credit**

**Prerequisite:** None

This course is designed to provide opportunities to organize, prepare, and deliver public speaking assignments. Students will learn about the role of communication in our lives, delivery styles, and the purpose of speech as it relates to the topic and audience.

This course will also provide instruction and experience in the preparation and delivery of speeches. Students are expected to conduct research, prepare, deliver and evaluate public speaking. Upon completion, students should be able to prepare and deliver well-organized speeches and participate in group discussions.

By understanding the elements of effective communication, students will create environments that bring out the best in themselves. Students will also demonstrate the speaking, listening and interpersonal skills necessary to be effective communicators in academic settings, in the workplace and in the community.

## Creative Writing

Credits: 0.5

**Grade Level: 9-12**

may not be repeated for credit

**Prerequisite:** None

This course provides an opportunity for high school students to pursue advanced creative writing work. Students will have the opportunity to explore several different types of poetry and prose styles, as well as respond to literature, art mediums, quotes and music. It will focus on expressive writing in various forms. The purpose of this course is:

1. To engage students in the careful reading and critical analysis of imaginative/creative literature, thus deepening their understanding of the ways writers use language to provide both meaning and pleasure for their readers
2. To enable students to create works of literature in various genres, including, but not limited to: short story/fiction, drama, and poetry,
3. To prepare students with the reading, analytical, and writing skills necessary for success in this course and later in their college work

Originality and writing that shows thought will be emphasized. Strategies to avoid writer's block and new ways to uncover ideas for writing will be studied. Peer reviews and sharing ideas are essential elements to this course.

The course emphasizes creative writing, and the strengthening and developing of student technique. Therefore, success relies heavily on the actual creative writing.

## MATH

The ISG Dammam high school mathematics program is committed to providing each student with both challenge and success, while fostering curiosity and self-confidence in doing mathematics that can lead to an enjoyment and positive attitude toward mathematics.

The mathematics program strives to give a balance between basic number sense, computation, symbols, using estimation and mental math, using calculators and computer programs, solving a variety of problems, communicating and justifying reasoning for problem solutions.

A student must successfully complete four math credits to graduate from ISG Dammam.

The following are recommended calculators for grades 9 through 12:

- Texas TI 83
- Texas TI 84
- Casio 9850
- Casio 9860

**Math Requirements:** Successfully completed four credits, one in each grade of high school, 1.0 credit (full year each) to graduate from ISG Dammam.

### Algebra 1

**Grade Level: 9**

**Prerequisite:** None

**Credits: 1**

**may not be repeated for credit**

Algebra 1 is a foundational high school mathematics course that introduces students to the language and structure of algebra.

Students will learn to solve linear equations and inequalities, work with functions, and analyze relationships using graphs and tables. The course also explores systems of equations, exponents and polynomials, building problem-solving and critical-thinking skills. Emphasis is placed on real-world applications to help students understand how algebra is used beyond the classroom.

By the end of the course, students will be prepared for more advanced math studies and confident in their ability to approach complex problems.

## Geometry

**Credits: 1**

**Grade Level: 9-10**

**may not be repeated for credit**

**Prerequisite:** Algebra 1

Geometry introduces students to spatial reasoning, deductive logic, and the properties of two- and three-dimensional figures. Students will develop analytical thinking by constructing formal geometric proofs and justifying arguments using postulates and theorems. Key topics explored include congruence, similarity, transformations, right triangle trigonometry, coordinate geometry, area, and volume.

Beyond theory, the course highlights real-world applications in fields like architecture and engineering. Through hands-on constructions and dynamic software investigations, students will visualize complex concepts, building the critical problem-solving skills necessary for advanced mathematics and everyday analytical challenges.

## Algebra 2

**Credits: 1**

**Grade Level: 10-11**

**may not be repeated for credit**

**Prerequisite:** Algebra 1, may be taken concurrently in Grade 10 with Geometry if the student has achieved +90% in each grading period in Algebra 1.

Algebra 2 is an advanced high school mathematics course that extends students' understanding of algebraic concepts and prepares them for higher-level math. Students will explore quadratic, exponential and logarithmic functions, as well as complex numbers and polynomial operations.

The course emphasizes analyzing and modeling real-world situations using a variety of functions and representations. Students will also deepen their problem-solving and critical-thinking skills through more abstract and multi-step challenges.

By the end of the course, students will be well prepared for Precalculus and other advanced mathematics studies.

## Precalculus<sup>P</sup>

**Credits: 1**

**Grade Level: 11-12**

**may not be repeated for credit**

**Prerequisite:** + 80% in Algebra 2= in each grading period

Precalculus is a course that integrates trigonometry, advanced algebra, analytic geometry and functions.

Students will spend time studying functions, theory of equations, nature of graphs, trigonometric functions, trigonometric identities and equations, graphs and inverses of the trigonometric functions, and application of trigonometry. Students will be introduced to concepts studied in Calculus, like limits and the introduction to derivatives.

To be successful, students must solve linear equations, systems of equations, and quadratic equations; graph functions; understand conic sections; and work with exponents and exponential functions. The Graphing Calculator will be an essential tool in this course.

### **AP Precalculus<sup>P</sup>**

**Credits: 1**

**Grade Level: 11-12**

**may not be repeated for credit**

**Prerequisite:** +80% in Precalculus in each grading period

AP Precalculus prepares students for other college-level mathematics and science courses. Through regular practice, students build deep mastery of modeling and functions and examine scenarios through multiple representations. The course framework delineates content and skills common to college precalculus courses that are foundational for mathematics, physics, biology, health science, social science and data science careers.

### **Calculus<sup>P</sup>**

**Credits: 1**

**Grade Level: 12**

**may not be repeated for credit**

**Prerequisite:** +80% in Precalculus in each grading period

Calculus develops the student's understanding of calculus concepts and provides experience with its methods and applications. It also emphasizes a multi-representational approach to calculus, with concepts, results and problems being expressed graphically, numerically, analytically and verbally.

To be successful, students must be skilled in algebraic and trigonometric manipulations and techniques. Students should be able to determine the reasonableness of solutions, including sign, size, relative accuracy and units of measurement.

### **AP Calculus AB<sup>P/A</sup>**

**Credits: 1**

**Grade Level: 12**

**may not be repeated for credit**

**Prerequisite:** +85% in Precalculus in each grading period

AP Calculus AB focuses on students' understanding of calculus concepts and provides experience with methods and applications. Through the use of big ideas of calculus (e.g., modeling change, approximation and limits, and analysis of functions), the course becomes a cohesive whole, rather than a collection of unrelated topics.

AP Calculus AB requires students to use definitions and theorems to build arguments and justify conclusions. The course features a multi-representational approach to calculus, with concepts, results and problems expressed graphically, numerically, analytically and verbally. Exploring connections among these representations builds understanding of how calculus applies limits to develop important ideas, definitions, formulas and theorems.

A sustained emphasis on clear communication of methods, reasoning, justifications, and conclusions is essential. Teachers and students should regularly use technology to reinforce relationships among functions, confirm written work, conduct experiments and interpret results.

**Business Math****Credits: 1****Grade Level: 11-12****may not be repeated for credit****Prerequisite:** Algebra 1 & Geometry

This course helps students apply statistics to real-world situations. The main objective of this course is for students to analyze and interpret quantitative data verbally, graphically, symbolically, and numerically. During this course, students will be introduced to elementary statistical techniques and methods of assessing statistical data. Students will acquire a basic understanding of techniques for exploring, organizing, and describing data; sampling and data production; basic probability rules; correlation, regression, confidence intervals, and hypothesis testing.

**Statistics and Probability****Credits: 1****Grade Level: 11/12****may not be repeated for credit****Prerequisite:** Algebra 1 & Geometry

In an increasingly complex world, statistical thinking and understanding are more important than ever. The objective of this course is to provide students with an intuitive understanding of statistical principles and methods. Students will learn the following concepts: analyzing one- and two-variable data; methods of data collection and sampling; probability rules; sampling distributions; parameter estimation and hypothesis testing.

## SCIENCE

The ISG Dammam high school science program is committed to having students develop an understanding and appreciation of the exploratory nature of the scientific process.

The Next Generation Science Standards (NGSS) is the framework on which a majority of our science curriculum is based. A significant part of the program is to provide fundamental knowledge of the major disciplines of science: Biology, Chemistry, Physics and Earth & Space Science. Equally important is the student's active involvement in experimentation and exploratory activities.

**Science Requirements:** Successfully completed four credits, one in each grade of high school, 1.0 credit (full year each) to graduate from ISG Dammam.

### Foundational Biology<sup>R</sup>

**Credits: 1**

**Grade Level: 9**

**may not be repeated for credit**

**Prerequisite:** None

Taken in Grade 9, Biology, aligned with NGSS, uses student-driven projects and reasoning skills to develop an understanding of key life science concepts. The ideas are building upon students' science understanding of disciplinary core ideas (science and engineering practices, crosscutting concepts) from previous years, to explore the following topics:

1. Structure & Function
2. Growth and Development of Organisms
3. DNA to Proteins
4. Inheritance of Traits
5. Inheritable Genetic Variation
6. Variation and Distribution of Traits
7. Natural Selection
8. Adaptation of Populations
9. Biodiversity in Ecosystems

Taken in Grade 10 or 11 , Chemistry aligned with NGSS uses student-driven projects and reasoning to develop an understanding of key concepts that help students make sense of the structure and composition of matter around them and the mechanisms of change. The ideas build upon students' science understanding of disciplinary core ideas (science and engineering practices and crosscutting concepts, from earlier grades) to explore the following topics:

1. Measurements
2. Atoms & Elements
3. Periodic table
4. Electron Configuration & Periodic Trends
5. Chemical Reactions
6. Conservation of Mass
7. Second Law of Thermodynamics
8. Gasses.

|                                                                         |                                              |
|-------------------------------------------------------------------------|----------------------------------------------|
| <b>AP Chemistry<sup>P/A</sup></b>                                       | <b>Credits: 1</b>                            |
| <b>Grade Level: 11-12</b>                                               | <b>may <u>not</u> be repeated for credit</b> |
| <b>Prerequisite:</b> 85% or higher in both grading periods of Chemistry |                                              |

AP Chemistry is an introductory course that provides students with a college-level foundation to support future advanced coursework in chemistry.

The course is designed to enable students to cultivate their understanding of Chemistry through critical thinking and reasoning skills as they explore the following topics: Atomic Structure and Properties, Molecular and Ionic Compound Structure and Properties, Intermolecular Forces and Properties, Chemical Reactions, Kinetics, Thermodynamics, Equilibrium, Acids and Bases, and Applications of Thermodynamics.

This course requires that 25% of instructional time be devoted to hands-on laboratory work, with an emphasis on inquiry-based investigations.

To be successful, students must have successfully completed a general high school Chemistry course and Algebra II.

|                                 |                                              |
|---------------------------------|----------------------------------------------|
| <b>Earth Science</b>            | <b>Credits: 0.5</b>                          |
| <b>Grade Level: Grade 11-12</b> | <b>may <u>not</u> be repeated for credit</b> |
| <b>Prerequisite:</b> None       |                                              |

This semester-long course explores the dynamic interactions within Earth's systems, the formation of geological features, and the impact of human activities on the environment. Students will develop models, analyze data, and construct evidence-based explanations to understand Earth's internal and external processes, the cycling of matter, and the role of human activity in shaping natural systems. The course aligns with Next Generation Science Standards (NGSS), emphasizing scientific inquiry, computational modeling, and sustainability.

|                                 |                                              |
|---------------------------------|----------------------------------------------|
| <b>Astronomy</b>                | <b>Credits: 0.5</b>                          |
| <b>Grade Level: Grade 11-12</b> | <b>may <u>not</u> be repeated for credit</b> |
| <b>Prerequisite:</b> None       |                                              |

This semester-long course explores the fundamental concepts of the universe's origins, the life cycle of stars, and planetary motion. Students will engage in scientific inquiry, model development, and mathematical reasoning to construct explanations and analyze astronomical phenomena. The course aligns with Next Generation Science Standards (NGSS), emphasizing evidence-based reasoning, computational analysis, and conceptual understanding of the cosmos..

|                            |                   |
|----------------------------|-------------------|
| <b>Physics<sup>P</sup></b> | <b>Credits: 1</b> |
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**Grade Level: Grade 11-12**

**may not be repeated for credit**

**Prerequisite:** Completed or enrolled in Precalculus.

Physics, aligned with NGSS, utilized Argument-Driven Inquiry and reasoning skills to develop an understanding of key concepts that help students make sense of life scenarios and phenomena around them.

The ideas build upon students' science understanding of disciplinary core ideas, science and engineering practices and crosscutting concepts, from earlier grades, to explore the following topics: Forces and Interactions (Kinematics and Dynamics), Conservation of Momentum, Reducing Force in Collisions Device, Gravitational and Electrostatic Forces Between Objects, Electric Currents and Magnetic Fields, Energy Forms and its Conservation, Wave Properties in Various Media and Storage of Information.

### **AP Physics 1<sup>P/A</sup>**

**Credits: 1**

**Grade Level: Grade 11-12**

**may not be repeated for credit**

**Prerequisite:** + 90% in Algebra 2 in each grading period

AP Physics 1 is an algebra-based, introductory college-level physics course. The course is designed to enable students to deepen their understanding of Physics through critical thinking and reasoning as they explore the following topics: Kinematics, Dynamics, Circular Motion and Gravitation, Energy, Momentum, Simple Harmonic Motion, Torque and Rotational Motion.

This course requires that 25% of instructional time be devoted to hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to demonstrate foundational physics principles and apply science practices.

To be successful, students must have completed or be concurrently taking Algebra II or an equivalent course.

**AP Biology<sup>P/A</sup>****Credits: 1****Grade Level: Grade 11-12****may not be repeated for credit****Prerequisite:** Completed both Chemistry and Biology

AP Biology is an introductory college-level biology course. The course is designed to enable students to cultivate their understanding of biology through critical thinking and reasoning skills as they explore the following topics: Chemistry of Life, Cell Structure and Function, Cellular Energetics, Cell Communication and Cell Cycle, Heredity, Gene Expression and Regulation, Natural Selection and Ecology.

This course requires that 25 percent of instructional time be spent on hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices.

To be successful, students must have completed high school Biology and either passed Chemistry or be enrolled in it.

**Anatomy and Physiology****Credits: 1****Grade Level: Grade 11-12****may not be repeated for credit****Prerequisite:** None

Anatomy and Physiology is a laboratory-based course that investigates the structure and function of the human body. This course is preparation for advanced biological studies, biomedical nursing and other science-based careers. Students will be engaged in inquiry-based investigations to explore the following topics: The Human Body: An Orientation, Cells and Tissues, Skin and Body Membranes, The Skeletal System,

The Endocrine System, The Cardiovascular System and The Urinary System. To be successful, students must have successfully completed a foundational high school Biology course.

**AP Environmental Science****Credits: 1****Grade Level: Grade 11-12****may not be repeated for credit****Prerequisite:** None

Students cultivate their understanding of the interrelationships of the natural world through inquiry-based lab investigations and field work as they explore concepts like the four Big Ideas; energy transfer, interactions between earth systems, interactions between different species and the environment, and sustainability.

## SOCIAL STUDIES

The ISG Dammam high school social studies program provides students with a perspective of people's history and civilizations, including cultural, governmental, political, religious, and geographic development. Students will draw on knowledge of human history to discuss contemporary issues.

**Social Studies Requirements:** Successfully completed three credits, 1.0 credit (full year each) to graduate from ISG Dammam High School.

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|---------------------------------------------------|-------------------|
| <b>World Geography &amp; Cultures<sup>R</sup></b> | <b>Credits: 1</b> |
|---------------------------------------------------|-------------------|

**Grade Level: 9**

**may not be repeated for credit**

**Prerequisite:** None

This course is a current-events study grounded in geographic and political analysis, with reference to economic and historical trends. In this year-long class, students will engage with media of various forms and work to develop their synthesis and analysis skills to understand modern news.

Our year-long topic focus is "Sustainability", and we will be using themes of Patterns, Scale of Study and Systems and System Models throughout the year to focus our study.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Modern World History<sup>R</sup></b> | <b>Credits: 1</b> |
|-----------------------------------------|-------------------|

**Grade Level: 10**

**may not be repeated for credit**

**Prerequisite:** World Geography and Cultures

Modern World History analyzes the social, political, economic and cultural history of the world from the Age of Enlightenment onward. Students learn how people, resources, conflicts, wars, governments, religions, migration, immigration, science and technology sculpt history over time.

Major themes in this course include: Enlightenment/Absolutism, Revolutions, Industrialization, Nation States, Imperialism, World War I, Between the Wars, World War II, Decolonization and the Cold War.

Study skills and critical thinking will be incorporated throughout the program. Part of this course will include learning about Islamic Culture.

To be successful, students must read, organize ideas, budget time, express personal thoughts through writing, and exhibit a desire to work with their fellow students.

Students have the option of taking one or more of the following credits after completing their mandatory grade 9 and grade 10 social studies credits.

**Economics<sup>P</sup>****Credits: 1****Grade Level: 10, 11, or 12****may not be repeated for credit****Prerequisite:** None

This course will focus on the individual's role as a citizen and consumer in today's marketplace. It aims to cover the basic elements such as decision-making, supply and demand, economic systems, governmental policies, international trade and globalization.

Students will read, write and express opinions and ideas concerning economic issues. Students will also need an understanding of basic math skills to work with hands-on economic applications.

On successful completion of this course, students will be able to:

- Describe and explain how microeconomic models can be used to consider the fundamental economic choices of households and firms.
- Describe and explain how macroeconomic models can be used to analyze the economy as a whole.
- Describe and explain how government policy influences microeconomic choices and macroeconomic outcomes.
- Interpret and use economic models, diagrams, and tables to analyze economic situations.

**Psychology<sup>P</sup>****Credits: 1****Grade Level: 10, 11, or 12****may not be repeated for credit****Prerequisite:** None

Psychology offers a fundamental introduction to the concepts and methods of the scientific study of society and social behavior. The course will focus on the principles underlying the development, structure and function of culture, society, human groups, and social change. Significant importance is placed on research methods, cultural understanding, critical thinking, discussion and case studies.

To be successful, students will be interested in reading, writing and expressing opinions and ideas concerning psychology. They will engage in critical thinking, analysis and presentation of their ideas.

## **Business Studies**

**Credits: 1**

**Grade Level: 10, 11, or 12**

**may not be repeated for credit**

**Prerequisite:** None

In this course, students will work with the most common problems requiring computations in business and real-world applications.

This course aims to give an insight into the most current business practices. It contains a variety of high-interest topics that will introduce students to the real world of business. The course will also cover business ethics and social responsibility, entrepreneurship and small business leadership management, technology's impact on business, leadership management, money and financial institutions and advertising.

Students will engage in various practical projects to put theoretical concepts into action. In addition, students will develop critical thinking and problem-solving skills as they learn about economic, technological and societal issues.

## **AP Microeconomics**

**Credits: 1**

**Grade Level: 11 -12**

**may not be repeated for credit**

**Prerequisite:** None

AP Microeconomics is a college-level course that introduces students to the principles of economics governing the behavior of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, income distributions, market failure and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts and data to analyze, describe, and explain economic concepts.

Skills students will learn include:

1. Define economic principles and models
2. Explain the given economic outcomes
3. Determine outcomes of specific economic situations
4. Model economic situations using graphs or visual representations

**AP Macroeconomics****Credits: 1****Grade Level: 11-12****may not be repeated for credit****Prerequisite:** None

AP Macroeconomics is a college-level course that introduces students to the principles that apply to an economic system as a whole. There is particular emphasis on the study of national income and the determination of the price level. It also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth and international economics. Students learn to use graphs, charts and data to analyze, describe and explain economic concepts.

Skills students will learn include:

1. Define economic principles and models
2. Explain the given economic outcomes
3. Determine outcomes of specific economic situations
4. Model economic situations using graphs or visual representations

**AP Psychology****Credits: 1****Grade Level: 11-12****may not be repeated for credit****Prerequisite:** None

The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes.

While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatments of psychological disorders and social psychology.

Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas.

**AP World History: Modern****Credits: 1****Grade Level: 11 -12****may not be repeated for credit****Prerequisite:** Modern World History

AP World History: Modern is an introductory, college-level course in modern world history.

Students cultivate their understanding of world history from c. 1200 CE to the present by analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts such as humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

**AP Business with Personal Finance****Credits: 1****Grade Level: 11 -12****may not be repeated for credit****Prerequisite:**

AP Business with Personal Finance is an introductory, college-level business and personal finance course. Students explore the business disciplines of entrepreneurship, marketing, finance, accounting and management through real-world business application, case studies and project-based learning. In addition, students learn and apply all the National Standards for Personal Financial Education created by the Council for Economic Education and the Jump\$tart Coalition for Personal Financial Literacy.

**Global Politics****Credits: .5****Grade Level: 9-12****may not be repeated for credit****Prerequisite:** None

Global Politics introduces students to the fundamental dynamics of power, diplomacy, governance, and international relations in our increasingly interconnected world. Throughout this course, students will analyze contemporary global challenges, including climate change, human rights, international conflict, and global economic development.

By evaluating current headlines alongside theoretical frameworks, learners develop a grounded understanding of how nations, non-governmental organizations, and global institutions interact on the world stage. Class activities emphasize lively debate, collaborative policy-making simulations, and independent research using real-world case studies.

Students will hone essential critical thinking, media literacy, and persuasive writing skills as they investigate diverse geopolitical perspectives. Ultimately, this course empowers students to move beyond passive news consumption and step into their roles as informed, active global citizens.

## GLOBAL LANGUAGES

ISG Dammam recognizes the unique contribution of language to intellectual and emotional growth and is committed to providing a lively, authentic and challenging linguistic experience, fostering in each student a love and appreciation for language and culture.

**Global Languages Requirements:** Students must earn 2 Global Language credits to graduate from ISG Dammam, either French or Modern Standard Arabic. Global Language courses must be taken in progression. A student must take two years of the one Global Language selected when entering ISG Dammam high school. For example, if a student elects to take French 1 in Grade 9, they must continue with French 2 in Grade 10 (provided French 1 was completed with a minimum grade of 60%).

### **Ministry-Required Courses:**

The Saudi Ministry of Education requires all students to study Arabic in each year of study. Additionally, each student is required to study Islamic Culture, Saudi History and Geography.

To satisfy this requirement, ISG Dammam provides Arabic based on a student's mother tongue.

- For non-Arabic-speaking students, Arabic as a Foreign Language is offered in each of the four years of study. In Grades 9 and 10, Arabic is taught during French class.
- For native Arabic-speaking students, Modern Standard Arabic 3 and 4 are offered in Grades 11 and 12, respectively.

## ARABIC

Arabic language classes are designed to enhance students' enjoyment and ability to use Arabic. It will also increase their awareness of the way world events and culture are affected by Arabic-speaking people. Emphasis will be placed on reading and writing Arabic.

The courses will include units of film, literature, art, music, philosophy, travel, civilization and daily living. Students who wish to expand their Arabic communication skills and cultural understanding of the Arabic world will have a great advantage in these classes.

**Modern Standard Arabic (MSA 1)****Credits: 1****Grade Level: 9, or by placement test****may not be repeated for credit****Prerequisite:** None

MSA 1 is designed to help students enhance their enjoyment of and ability to use Arabic. It will also increase their awareness of the way world events and culture are affected by Arabic-speaking people. The course will include units of literature, philosophy, travel, civilization and daily living.

This course will provide students with improved listening, speaking, reading and writing skills across various topics in Classical Arabic.

Students will learn how to identify key points such as the author's purpose, inferences from context clues and multiple-meaning words. They will be expected to give classroom presentations, participate in debates, and spell and write stories in Arabic.

They will use more linguistic features such as (ANWAA AL KHABAR), (AL HAMZAH ALMUTAWASETTAH), and (AL MUARB W ALMABNEE), adjectives and adverbs (AL SEFFAH WA AL HAL ), types of verbs (AL LAZEM WA AL MUTAADEE), and how to use metaphor created by allusion (AL KENAYAH).

**Modern Standard Arabic 2 (MSA 2)****Credits: 1****Grade Level: 10, or by placement test****may not be repeated for credit****Prerequisite:** MSA 1 or placement test

This course will provide students with improved listening, speaking, reading and writing skills across various topics in Classical Arabic. They will be expected to give classroom presentations, participate in debates, do speed reading, do spelling, and write stories in Arabic.

Students will focus more on improving their reading and listening skills across different topics, stories and poems, while learning to identify key points such as the author's purpose, inferences from context clues and multiple-meaning words.

They will use more linguistic features such as (AFAAL MUTAADEYAH), (ALESTETHNA), (ALHAMZAH AL MUTTARFFAH), (ESM AL FAEL WA AL MAFAUL), (AL ASMMA AL KHAMSAH ), (AL ESTEARAH), and (ALSAGAA) to improve their skills in writing and speaking.

**Arabic as a Foreign Language 1 (AFL 1)****Credits: 1****Grade Level: 9 or by placement test****may not be repeated for credit****Prerequisite:** None

AFL1 is an elective course that provides an introduction to written and spoken Modern Standard Arabic and is designed for beginners. The aim of the course is to equip students with the skills to read and write the Arabic script and to provide a basic grounding in the grammar and vocabulary of Modern Standard Arabic.

Students will learn how to:

- Present themselves and their families in more detail, and how to describe their house.
- Describe people, jobs, things and the human body.
- Identify the names of animals.
- Explore the subject/verb agreement in a sentence, and how to use subject and object pronouns.
- Create short sentences in Standard Arabic.

**Arabic as a Foreign Language 2 (AFL 2)****Credits: 1****Grade Level: 10 or by placement test****may not be repeated for credit****Prerequisite:** AFL 1 or placement test

This course addresses the four language skills of Speaking, Listening, Reading and Writing in an integrated fashion, with a focus on Speaking.

Students will learn how to:

- Talk about where they are from, present their families and describe their outfits.
- Talk about sports and discuss weekend activities.
- Practice retelling short stories in Standard Arabic
- Explore the subject/verb agreement in a sentence, the definite and indefinite articles, and how to use subject and object pronouns.
- Create sentences in Standard Arabic.

**Arabic as a Foreign Language 3 (AFL 3)****Credits: 1****Grade Level: 11 or by placement test****may not be repeated for credit****Prerequisite:** AFL 2 or placement test

This course focuses on the integrated development of the four essential language skills: Speaking, Listening, Reading and Writing, with an emphasis on enhancing speaking proficiency.

Students will engage with a variety of topics, including Greetings, Back to School, Hobbies, The Four Seasons and Clothing. They will practice retelling short stories in Standard Arabic and will deepen their understanding of grammatical concepts such as subject/verb agreement, the use of definite and indefinite articles, and the application of subject and object pronouns.

Through interactive exercises, students will have the opportunity to create and construct meaningful sentences in Standard Arabic.

**Arabic as a Foreign Language 4 (AFL4)****Credits: 1****Grade Level: 12 or by placement test****may not be repeated for credit****Prerequisite:** AFL 3 or placement test

This course offers a comprehensive approach to developing the four key language skills: Speaking, Listening, Reading and Writing, with a primary emphasis on speaking proficiency.

Students will expand their formal vocabulary and understanding of verbs and grammar through engaging topics such as Back to School, Hobbies, The Four Seasons and Clothing. They will practice retelling stories and composing emails in Standard Arabic. Additionally, students will explore important grammatical concepts, including subject/verb agreement, definite and indefinite articles, as well as the use of subject and object pronouns.

By the end of the course, students will be able to construct meaningful sentences in Standard Arabic, enhancing their overall communication skills.

**Arabic Studies 11 (AS 11)****Credits: 0.5****Grade Level: 11****may not be repeated for credit****Prerequisite:** None

MOE 11 is designed to enhance students' enjoyment and ability to use Arabic. It will also increase their awareness of the way world events and culture are affected by Arabic-speaking people.

The course will include a variety of units of literature, philosophy, and daily living. Students will improve their listening, speaking, reading, and writing skills across a range of topics in Classical Arabic. They will be expected to give classroom presentations, participate in debates, do speed reading, do spelling and write stories in Arabic.

The students will read and listen to different stories and poems while learning to identify key points such as the main idea and details; the main and sub-characters in a story; cause and effect; multi-meaning words; the sequence of events; fact and opinion; similes; and *Al-Genas*. They will improve their grammar skills by using *Al-Mobtada* and *Al-Khabar*, *Al-Afaal* *Al-Nasekha*, and *Al-Horoof* *Al-Nasekha* to develop their writing and speaking skills.

**Arabic Studies 12 (AS 12)****Credits: 0.5****Grade Level: 12****may not be repeated for credit****Prerequisite:** None

This course will provide students with improved listening, speaking, reading and writing skills across various topics in classical Arabic. They will be expected to give classroom presentations, participate in debates, do speed reading, do spelling, and write stories in Arabic.

The students will read and listen to various topics, stories, and poems while learning to identify key points such as the author's purpose, inferences from context clues, multiple-meaning words, metaphors, and *Al-Tebag*. They improved their grammar skills in using types of verbs (*Al FEEL AL AZEEM WA ALMOTAADI* )and (*ALAFAL ALTI TANSIB MAFOOLEN LAES ASLOHOMA AL MOBTADA WA ALKHABAR*) to master their skills in writing and speaking.

## PHYSICAL EDUCATION AND HEALTH

The Physical Education-Health program at ISG Dammam high school consists of a series of units of instruction that teach skills, techniques, rules and strategies for various individual and team sports. Students participate in individual sports, team sports, lifetime sports and physical fitness activities. Personal fitness profiles are developed as students assess their fitness during each year.

Health education is an integral component of the educational program. This course provides knowledge and skills to support the development of the student's social, physical, mental, and emotional wellness. ISG Dammam believes that health education empowers students to make informed, responsible decisions about their personal health lifestyle.

**PE 9, 10, 11, 12**

**Credits: 0.5**

**Grade Level: 9, 10, 11, or 12**

**may not be repeated for credit**

**Prerequisite:** None

This course focuses on promoting a healthy lifestyle and overall wellbeing (physical, mental, emotional and social) through team sports and fitness. In the second semester, students are introduced to a variety of ball sports and the skills required to play them, such as baseball and basketball.

The skills learned are assessed through specific skill tests and team play. Students are exposed to various forms of exercise techniques that are expected to improve fitness components and improve one's overall fitness, specifically:

- Cardiovascular endurance and stamina
- Muscular strength and endurance
- Power
- Agility
- Speed
- Flexibility

These skills are assessed through standardized fitness tests:

- 1-mile run
- 100-meter sprints
- Pull ups
- Broad jump/standing long jump
- Flexibility test
- Illinois Agility test

## **INFORMATION TECHNOLOGY**

The ability to use computer technology is critical to all areas of learning, real-world applications, careers and to working successfully in an increasingly complex and information-rich world. The ISG Dammam information technology program is designed to further each student's understanding of how to effectively use computers in ways relevant to today's technology.

Requirements: Every course is 0.5 credits, or one semester each. Students are required to earn 1.0 unit of Information Technology credit (2 courses, each worth 0.5 credits) to graduate from ISG Dammam.

### **Introduction to Computer Technology**

**Credits: 0.5**

**Grade Level: 9-12**

**may not be repeated for credit**

**Prerequisite:** None

This is an introductory single-semester course, which introduces students to essential computer technology skills for academic and professional success. Students will learn to use Microsoft Word, Excel, and PowerPoint at both basic and advanced levels, gaining proficiency in document design, data analysis, and presentation development. The course also covers networking fundamentals, including the internet, routers, and switches. Through hands-on projects, guided practice and real-world applications, students will build digital literacy, problem-solving skills, and confidence in using technology effectively. This course also includes the development of proper typing techniques.

### **Programming**

**Credits: 1**

**Grade Level: 10-12**

**may not be repeated for credit**

**Prerequisite:** Intro to Computer Technology

Students will be exposed to the computing theory and problem solving approach to implement one or more programs. Emphasis will be placed on developing effective problem solving techniques using the JAVA platform.

**Graphic Design****Credits: 1****Grade Level: 9-12****may not be repeated for credit****Prerequisite: None**

This course is designed for students interested in Graphic Design. This Introductory Adobe Photoshop course familiarizes students with the editing capabilities of Adobe Photoshop software.

Students learn to use the Adobe Photoshop interface and access its extensive feature set. Lessons cover the basics of saving and storing image files, as well as the various processes used for image editing. When they complete this Adobe Photoshop course, students will know how to use the software for image editing and basic manipulation.

**Web Designing and Development****Credits: 0.5****Grade Level: 10-12****may not be repeated for credit****Prerequisite:** Intro to Computer Technology

This course introduces students to the principles of front-end web development and provides a foundational understanding of the Internet. Students will use HTML5, CSS3, and JavaScript to structure, style, and create interactive web pages through project-based learning experiences. The course focuses on developing responsive and user-friendly websites while strengthening problem-solving, creativity, and computational thinking skills. Students will complete the course with a functional and polished website portfolio that demonstrates real-world application of web development concepts.

**AP Computer Science Principles****Credits: 1****Grade Level: 10-12****may not be repeated for credit****Prerequisite:** Algebra 1

AP Computer Science Principles is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

This course introduces high school students to the fundamentals of artificial intelligence, with a focus on generative AI tools. Students will develop the skills to effectively use AI-driven applications while fostering critical thinking, ethical awareness, and responsible AI use. Through hands-on activities, discussions, and projects, students will explore how AI generated content, assess its limitations, and apply strategies to enhance their decision-making and problem-solving abilities.

## FINE ARTS

The Fine Arts have played a major role in both reflecting and leading social, political, technological and religious periods in history. Students at ISG Dammam high school can choose this course to explore various forms of art and their impact on society.

### Art

**Credits: 0.5**

**Grade Level: 9-12**

**may not be repeated for credit**

**Prerequisite:**

Students will be introduced to the elements and principles of art through various media. Elements: line, shape, form, texture, value, color and space are instructed and guided to establish principles that build composition through unity, harmony, contrast, rhythm, perspective and more through fundamentals of design, drawing, color theory, etc.

**Drawing & Design:** The student will have the opportunity to explore the many options drawing affords. Using charcoal, pencils and ink with a variety of drawing instruments and surfaces, the student will solve two-dimensional and three-dimensional problems.

**Painting:** Students will be introduced to painting through a range of techniques and media. Handling paint effectively through demonstration and practice, as well as observation of 2D elements.

### AP Art and Design

**Credits: 1**

**Grade Level: 10-12**

**may not be repeated for credit**

**Prerequisite:**

In an AP Art and Design course, you'll develop the skills that artists and designers use and create a portfolio of work you'll submit for an AP score. AP Art and Design students submit their portfolios digitally through the AP Digital Portfolio. Students do not mail physical work to the AP Program.

### AP Capstone Program

To provide ISG Dammam students with more opportunities for success in college and beyond, ISG has introduced the AP Capstone Program. AP Capstone is a college-level diploma program that consists of two yearlong AP courses: AP Seminar (offered starting in August 2022) and AP Research (offered starting in August 2023).

The AP Capstone program will help students develop critical thinking skills that allow them to think independently, analyze issues from different perspectives,

communicate clearly, and to conduct independent research. These are exactly the types of skills that the [ISG Graduate Profile](#) strives to achieve and will be immediately utilized in college.

Students who take AP Seminar and AP Research will earn an AP Research and Seminar Certificate, and if they take both classes in addition to four other AP exams, they will earn an AP Capstone Diploma. The prospect of achieving the AP Capstone Diploma will motivate students to take up additional AP courses. This will, in turn, better prepare them for the transition to higher education than they are currently, and they will enter college with a different attitude.

The Common Application and Coalition Application forms now include the AP Capstone Diploma Candidate distinction. Colleges that use these forms can quickly identify AP Capstone students among their applicants, giving them an edge.

### **AP Seminar**

Rather than teaching subject-specific content, AP Seminar uses an inquiry framework that allows students to synthesize information from multiple sources, develop their own perspectives in research-based written essays and design and deliver oral and visual presentations, both individually and as part of a team.

The AP Capstone program will help students develop critical thinking skills that allow them to think independently, analyze issues from different perspectives, communicate clearly and conduct independent research. These are exactly the types of skills that the ISG Graduate Profile strives to achieve and will immediately be utilized in college.

### **AP Research**

In AP Research, students explore a topic or problem that interests them and design, plan and conduct a year-long research project centered around it. The class represents the culmination of skills that students learn in AP Seminar.