

# Diploma in AI and Data Science

## Introduction

It is a comprehensive program designed to equip students with foundational and advanced skills in AI and Data Science. Students will embark on a journey through the fundamentals of programming, delve into the intricacies of databases, master Python programming, and gain thorough understanding of AI concepts. The curriculum further explores machine learning techniques using Python and emphasizes the importance of data science and visualization.

At the end of the course students will be adept at implementing AI solution and data-driven decision-making processes across various domains.

## Course Objectives

Upon completion of this course, students will:

- Possess strong foundational knowledge and practical skills in programming and database management.
- Be proficient in Python programming and capable of developing AI and machine learning solutions.
- Have the ability to apply AI concepts to real-world problems, creating innovative and effective solutions.
- Be skilled in data science methodologies, including data collection, analysis, and visualization, enabling data-driven decision-making.
- Be prepared to take on roles such as AI Developer, Data Scientist, Machine Learning Engineer, and Data Analyst in various industries.

## Modules

- Programming Logic and Algorithms
- Responsive Web Design
- Databases
- Python Programming
- AI Concepts
- Data Science and Visualization

For the detailed description of modules please visit our website at [www.genetic.edu.sg](http://www.genetic.edu.sg)

## Entry Requirements

- Age
  - 16 years old
- Language
  - Grade C6 at GCE O level English or equivalent or IELTS 5.5 or TOEFL 525 (Paper base) or 196 (Computer base)
- Academic
  - Obtained at least C6 at GCE O level in any 3 subjects or
  - 10 years of General Education or
  - Certificate in Information Technology (Awarded by Genetic Computer School) or
  - Mature students - minimum 30 years of age with at least 8 years of working experience

## Course Duration

- 9 Months

## Completion Criteria

- Minimum 75% attendance for Local/ PR & Non-Student Pass Holders
- Minimum 90% attendance for International Student
- Must pass all the module assessments (E.g., Lab Exams, Written Exams, Project, etc.)

## Course Type

- Full Time
- Part Time

## Intake

- Please visit our website for the intake dates

## Certification

- Upon completion of this course, students will be awarded with Genetic Computer School Diploma in AI and Data Science

## Teacher-Student Ratio

- The average Teacher-Student Ratio for the school is 1:25. Minimum class size is subject to change and approval by Genetic Computer School.

## Modes of Payment

- The modes of payment available are cash, cheque, cashier's order, Telegraphic Transfer or Bank Transfer.

## Fee Protection Scheme

- GCS adopts Insurance Scheme for all its students and engages the service of the LONPAC Insurance BHD in compliance with the fee protection scheme of EduTrust. For more information on FPS please refer to our website at [www.genetic.edu.sg](http://www.genetic.edu.sg)

## Mode of Delivery

- Face-to-Face
- Blended Learning

## Course Fee

- The course fees are due and is payable in 2 instalment payments
- All fees are subject to prevailing GST of 9%

Application Fee – (Non-Refundable)  
Local students – SGD 50  
Non-ASEAN – SGD 400  
ASEAN - SGD 150

## Miscellaneous Fee

For the detailed information on the miscellaneous fees please refer to our website.

Note: Miscellaneous Fees refer to any non-compulsory and non-standard fees which the students will pay only when necessary or applicable. Such fees are normally collected on an ad hoc basis by the GCS when the need arises.

Diploma in AI and Data Science	Local Student (For Foreigner/PR/Employment Pass and other passes)	ASEAN (Require Student Pass)	NON-ASEAN (Require Student Pass)
	Amount SGD	Amount SGD	Amount SGD
Course Fee	8,000	8,000	8,000
Administrative Fee	550	550	550
FPS Processing Fee	150	150	150
Total	8,700	8,700	8,700

## Payment Schedule

Diploma in AI and Data Science	Local Student (For Foreigner/PR/Employment Pass and other passes)	ASEAN (Require Student Pass)	NON-ASEAN (Require Student Pass)
Application Fee (Upon Registration)	50	150	400
1st Term (4 Months)	4,350	4,350	4,350
2nd Term (5 Months)	4,350	4,350	4,350
Total	8,750	8,850	9,100

## How to Apply?

Applicants can apply through our website ([www.genetic.edu.sg](http://www.genetic.edu.sg)) or call our programme consultant for more information of the course.

You can also e-mail us at [info@genetic.edu.sg](mailto:info@genetic.edu.sg)

### Notes:

- The minimum enrollment required to start a class is 8 students.