



SCAN ME

Diploma in Computing with Introduction to Artificial Intelligence

WHY CHOOSE US?



High Employability

Prepare students to meet the needs of the future industry



Industry Relevance

Industry experts to help keep our programmes relevant



Industry Recognition

Received endorsements from industry-leading organisations



International Partners

Established partnerships and worked with industry-leading education institutions



RCB No. 200305869C | Exp: 13 July 2022 – 12 July 2026

COURSE OVERVIEW

The Diploma in Computing with Introduction to Artificial Intelligence is not just a course; it's a launchpad for tomorrow's tech innovators. Designed for forward-thinkers, this dynamic programme blends rigorous academic training with hands-on, industry-aligned projects, ensuring you graduate job-ready. Dive into cutting-edge modules like AI-driven data analysis, database architecture, and responsive web design, guided by experts through interactive classes (online or in-person).

JOB PROSPECTS

- Junior Web Developer
- Front-End Developer
- Full-Stack Developer (Junior)
- Data Analyst
- Machine Learning Assistant/Junior ML Engineer
- Back-End Developer
- AI/Data Science Trainee
- Software Developer (Entry-Level)

Entry Requirements

Age	Minimum 16 years old
Academic Qualification	3 GCE O' Level Passes at C6 and above; or NITEC or Higher NITEC; or High School Graduation Certificate; or equivalent
Mature Candidates	Mature candidates (minimum 30 years old with 8 years of working experience) with NITEC or minimum 2 GCE O level passes (at least C6 in English and any other subject) or 3 GCE N level passes (at least grade 5 in English and any two other subjects)
English Language Proficiency	- GCE 'O' Level Pass in English $\geq$ C6 ; OR - IELTS $\geq$ 5.0 or equivalent - TOEFL $\geq$ 49 and above; or - Pearson Test of English (PTE) $\geq$ 42 ; or - Duolingo English Test Score (DET) score of $\geq$ 75 ; or - Pass in IMSC Language Literacy and Numeracy (LLN) Test

Intake

Monthly intake. Please contact IMSC for specific intake dates.

Fees *

Local Students	\$ 6,003.72
*Including application fees and Fee Protection Scheme fees; excluding medical insurance (optional) and miscellaneous fees (payable only if applicable)	
International Students	\$ 6,843.02
*Including application fees, Fee Protection Scheme fees and medical insurance (compulsory); excluding miscellaneous fees (payable only if applicable)	

Duration

Full - Time	8 Months	(3 - 4 hours x 5 days a week)
Part - Time	10 Months	(3 hours x 3 days a week)

Enrollment



Contact IMSC at **6423 0668** or
info@imsc.edu.sg.

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COMPULSORY CORE MODULES

No.	Module Title
1	HTML Fundamentals
2	CSS Fundamentals
3	Python Fundamentals
4	JavaScript Fundamentals
5	Front-End Development
6	Back-End Development
7	Data Centric Development
8	Modern Frameworks
9	Introduction to Artificial Intelligence and Machine Learning: Supervised Machine Learning
10	Artificial Intelligence: Unsupervised Pattern Discovery

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MODULES DESCRIPTION

HTML FUNDAMENTALS

This module introduces fundamental markup and coding best practices, and foundation concepts. It is intended for those wishing a basic introduction to writing code, whether for mobile, computer or software applications.

CSS FUNDAMENTALS

This module introduces fundamental markup and coding best practices, and foundation concepts. It is intended for those wishing a basic introduction to writing code, whether for mobile, computer or software applications.

PYTHON FUNDAMENTALS

This module develop familiarity with the Python language.

JAVASCRIPT FUNDAMENTALS

This module develop familiarity with the JavaScript language.

FRONT END DEVELOPMENT

This module develop familiarity with front end concepts and skills

BACK END DEVELOPMENT

This module develop familiarity with the JavaScript language.

DATA CENTRIC DEVELOPMENT

This module develop familiarity with the MySQL and Mongo DB.

MODERN FRAMEWORKS

This module develop familiarity with Modern Frameworks within the JavaScript language.

INTRODUCTION TO ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING: SUPERVISED MACHINE LEARNING

This unit introduces learners to applied machine learning, and artificial intelligence focusing more on the techniques and methods than on the statistics behind these methods. The hands-on section of this unit focuses on using best practices for each type of supervised machine learning techniques, including train and test splits, handling data sets with unbalanced classes in real-world scenarios and evaluating the modelling results.

ARTIFICIAL INTELLIGENCE: UNSUPERVISED PATTERN DISCOVERY

This unit introduces learners to applied machine learning and artificial intelligence, focusing more on the techniques and methods than on the statistics behind these methods. The hands-on section of this unit focuses on using best practices for each type of unsupervised machine learning techniques, including train and test splits, handling data sets with unbalanced classes in real-world scenarios and evaluating the modelling results.

Enrollment



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About IMSC

The International Management and Sports College (IMSC) was formed after a rebranding exercise undertaken by the International Sports Academy (ISA).

ISA was founded in 2003 to provide the much-needed knowledge and skills required to empower individuals with the right tools to achieve success in the burgeoning sporting industry. Together with our partners from the United States Sports Academy, the National Strength and Conditioning Association, and the American Council on Exercise, we offer quality certifications and diplomas that are recognised internationally, to provide our students with an edge in the sports and fitness industry.

Over the years, the sports and fitness industry has evolved greatly and the local sports scene has seen an explosion of world-class sports events like Formula One and the WTA Finals. There is now a demand for trained personnel not just in sports and fitness, but also in tourism, hospitality, events management, marketing, retail, and facilities management. Thus ISA was renamed International Management and Sports College (IMSC) to better reflect our increased course offerings in business, tourism and hospitality management to better serve the changing needs of the industry.

IMSC will continue to serve as Singapore's and the region's premier private education institution, in providing a holistic education that equips individuals with the skillsets and competencies required for the future economy. We offer a series of quality academic programmes, professional certifications and continuing education courses to cater to varied needs and schedules, in helping our students achieve their goals in lifelong learning.

OUR MISSION

We are committed to becoming Asia's premier education innovator, empowering students with industry-aligned skills that transcend borders.

OUR CULTURE

Where success is not quantified by just the result, but rather by the calibre of the pursuit.

OUR VISION

To Lead Asia in Building Sustainable, Global Careers.

OUR VALUES

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Why choose IMSC?

- Conferred Edutrust (4-Year) Award by the Committee for Private Education for maintaining high standards in providing quality education services.
- Appointed Education Partner by University of Portsmouth for Sports Science and Sports Management programmes.
- Named Most Preferred Private Education Institute for Diploma/Advanced Diploma (Sports and Recreation) by JobsCentral Learning Survey.
- Provides early industry exposure and job placement assistance through extensive industry network.
- Endorsed by leading industry employers such as Virgin Active, True Fitness, the Pure Group, BFT, among others.
- Offers continuing education courses for increasing skillsets.

Enrollment



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