INTERNATIONAL MANAGEMENT & SPORTS COLLEGE

223 Mountbatten Road #03-15/16/17/18 Singapore 398008

SCAN ME

Diploma in Data Analytics and Business



WHY CHOOSE IMSC?

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

edutrust SINGAPORE

Certificate No. EDU-2-2149
Validity: 11 April 2026 to 10 April 2030

RCB No. 200305869C | Exp: 13 July 2026 - 12 July 2028

COURSE OVERVIEW

Driven by the need to better connect with citizens and customers and the emergence of Big Data, governments and enterprises are embarking on Business Analytics and Big Data Analytics to derive citizen and customer insights, make fact-based decisions and achieve competitive advantages. This will also assist businesses in making better decisions and to improve operational efficiencies.

This Course is designed to provide all learners with introduction into the concepts of data analytics and the tools used to perform analysis. Learners will gain an understanding of the data ecosystem, pre-processing techniques and the fundamentals of data analysis.

JOB PROSPECTS

- Business Intelligence Analyst
- Data Analyst
- Business Analytics Specialists
- Research Analysts
- Data Scientist
- Business Advisor

INTERNATIONAL MANAGEMENT & SPORTS COLLEGE

Diploma in Data Analytics and Business
www.imsc.edu.sg



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
English Language Proficiency	• GCE 'O' Level Pass in English at C6 and above; or • IELTS 5.0 and above; or • TOEFL 49 and above; or • Pearson Test of English (PTEA) 42 and above; or • Duolingo English Test Score (DET) score of 75 and above; or • Pass in IMSC Language Literacy and Numeracy (LLN) Test

Intake

Monthly intake. Please contact IMSC for specific intake dates.

Fees *

Local Students	$ 7,758.62

*Including application fees and Fee Protection Scheme fees; excluding medical insurance (optional) and miscellaneous fees (payable only if applicable)

International Students	$ 8,706.92

*Including application fees, Fee Protection Scheme fees and medical insurance (compulsory); excluding miscellaneous fees (payable only if applicable)

Duration

(3 hours x 5 days a week)

Full - Time	10 Months
Capstone Project ***(compulsory)***	60 Hours

COMPULSORY CORE MODULES

No.	Module Title
1	Fundamental of Data Analytics
2	Fundamental of Database Management Systems (DBMS)
3	Introduction to Machine Learning: Supervised Machine Learning
4	Unsupervised Machine Learning
5	Storytelling with Data
6	Capstone project
7	Finance Management
8	Introduction to Business Environment

Enrollment

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

Passion | Progress | Purpose

In Partnership with :

USM Universiti Sains Malaysia · APEX · UOW Malaysia KDU (Part of the University of Wollongong Australia Global Network) · NSCA Global Chapter Singapore · NSCA National Strength and Conditioning Association · University of Portsmouth

MODULES DESCRIPTION

FUNDAMENTAL OF DATA ANALYTICS

This unit provides a gentle introduction into the concepts of data analytics and the tools used to perform analysis. Learners will gain an understanding of the data ecosystem, pre-processing techniques and the fundamentals of data analysis. In the hands-on section, learners will apply the industry framework to real-business scenario, thereby enhancing their learning process.

FUNDAMENTAL OF DATABASE MANAGEMENT SYSTEMS (DBMS)

This unit introduces learners to relational databases, data modelling, the theory of relations and database system concepts. Learners will learn to design and implement a relational database, and how to access and manipulate database systems using Structured Query Language.

INTRODUCTION TO MACHINE LEARNING: SUPERVISED MACHINE LEARNING

This unit introduces learners to applied machine learning, 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.

UNSUPERVISED MACHINE LEARNING

This unit introduces learners to applied machine learning, 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.

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MODULES DESCRIPTION

STORYTELLING WITH DATA

This unit introduces learners to the science of data visualization and the art of graphic design to transform data sets into visual graphics to present complex data in ways their audience can better understand. Through hands-on exercises, learners will transform data into useful information for analysis and explore the appropriate use of the various chart types to present different types of data to enhance the visual presentations to their audience and better business decision making.

CAPSTONE PROJECT

This unit is the final project where learners' have hands-on experience to design and implement a real-world data mining project, including problem formulation, data preparation, modelling, model evaluation and sharing their findings via use of dashboard to test their knowledge acquired, explore what it means to be a Data Analyst, and provide a real-world scenario of data analysis.

FINANCE MANAGEMENT

The aim of this unit is to provide learners with an understanding of the fundamental principles of financial accounting and financial management in a business and how to apply these principles in practice.

INTRODUCTION TO BUSINESS ENVIRONMENT

The aim of this unit is to enable learners to understand different types of businesses, their functions and structures, as well as an introduction to basic marketing principles. They will be required to explore the micro and macro business environment, understand the concept of quality and carry out basic business analyses.

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INTERNATIONAL MANAGEMENT & SPORTS COLLEGE

Fees

LOCAL STUDENTS		
FEES BREAKDOWN		**AMOUNT INCLUDING GST (SGD)**
Academic Fees		
1	Course Fees	$ 5,668.00
2	Course Material Fees	$ 872.00
3	Examination Fees	$ 872.00
	SUB - TOTAL :	**$ 7412.00**
Others		
4	Application Fees - ***non-refundable***	$ 196.20
5	Fee Protection Scheme (FPS) - ***compulsory***	$ 150.42
	GRAND - TOTAL :	**$ 7,758.62**
6	Medical Insurance - ***optional***	$ 98.10
		$ 7,856.72

Note :

- *Application Fees have to be paid to begin the registration process.*
- *Fee Protection Scheme is compulsory and payable before course commencement.*
- *Instalment payment potentially available for local students.*
- *Medical insurance is optional, depending on whether student has equivalent local insurance coverage.*

MISCELLANEOUS FEES (PAYABLE ONLY IF APPLICABLE)		
PURPOSE OF FEES		**AMOUNT INCLUDING GST (SGD)**
1	Deferment Fees	$ 239.80
2	Re-AssessmentFees ***(per unit)***	$ 163.50
3	Re-Module Fees ***(per module)***	$ 436.00
4	Penalty for Late Payment ***(per week)***	$ 10.90
5	ICA Online Issuance Fee ***(for Student's Pass)***	$ 60.00 - $ 90.00
6	Medical Insurance ***(if applicable)***	$ 98.10
7	IMSC T-Shirt	$ 32.70
8	Exam Appeal Fee	$ 54.50
9	Renewal of Student's Pass ***(including ICA processing & issuance fee)***	$ 120.00
10	Printing Cost ***(per sheet)***	$ 0.20 - $ 0.40

Enrollment

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Fees

INTERNATIONAL STUDENTS		
FEES BREAKDOWN		**AMOUNT INCLUDING GST (SGD)**
Academic Fees		
1	Course Fees	$ 6,322.00
2	Course Material Fees	$ 872.00
3	Examination Fees	$ 872.00
	SUB - TOTAL :	**$ 8,066.00**
Others		
4	Application Fees - ***non-refundable***	$ 392.40
5	Fee Protection Scheme (FPS) - ***compulsory***	$ 150.42
6	Medical Insurance - ***compulsory***	$ 98.10
	GRAND - TOTAL :	**$ 8,706.92**

Note :

- *Application Fees have to be paid to begin the registration process.*
- *All items except Application Fees must be paid in a single instalment before course commencement.*

MISCELLANEOUS FEES (PAYABLE ONLY IF APPLICABLE)		
PURPOSE OF FEES		**AMOUNT INCLUDING GST (SGD)**
1	Deferment Fees	$ 239.80
2	Re-AssessmentFees ***(per unit)***	$ 163.50
3	Re-Module Fees ***(per module)***	$ 436.00
4	Penalty for Late Payment ***(per week)***	$ 10.90
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10	Printing Cost ***(per sheet)***	$ 0.20 - $ 0.40

Enrollment

Contact : Ms. Theary (Enlighten Academy, Cambodia) +855 86 522 007

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About IMSC

Founded in 2003, IMSC stands as one of Singapore's pioneering private educational institutions. It emerged following the privatization of the education division within the former Singapore Sports Council.

We deliver tailored education solutions that transform students into globally competitive professionals and visionary entrepreneurs. Our programs are meticulously designed to align with high-growth industries, ensuring graduates not only secure opportunities but thrive in them.

During its founding days, IMSC was appointed by the United States Sports Academy (USSA) as its sole partner in Singapore to provide quality academic sports certifications and diplomas. Thereafter, IMSC continued to grow from strength to strength, and has diversified into providing professional certifications and education in multiple industries such as business management, hospitality and tourism, sports and wellness, logistics, and many others.

IMSC has persistently emphasized building a formidable international presence. It has attracted students from over 15 countries and has established academic and industry partnerships with esteemed institutions in China, Malaysia, Vietnam, England, Australia, and India. Today, IMSC's programmes can also be found in countries like Malaysia and China.

OUR MISSION

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

OUR VISION

To lead Asia in building sustainable, global careers

OUR CULTURE

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

OUR VALUES

Passion | Progress | Purpose

Why choose IMSC?

- Industry Readiness – Special emphasis on teaching skills and knowledge necessary for the workforce.
- Access to Higher Education - Our pedagogy is grounded in a curriculum aligned with the latest frameworks adopted by leading universities, ensuring that students acquire relevant, forward-thinking knowledge and are well-prepared for advanced learning.
- Rigorous Curriculum - Provide students with a strong academic foundation that would allow them to pursue higher education.
- Experienced Educators - Our educators are industry practitioners, ensuring students learn workplace-relevant skills and knowledge.

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