

AIM UNIVERSITY GROUP INC

American Institute Of Management Science University Group



***GENERAL ENGINEERING
Courses, Specializations, and Tuition***

[Www.AimUniversityGroup.Org](http://www.AimUniversityGroup.Org)

ENGINEERING



**STUDY
ABROAD**



AIM UNIVERSITY GROUP INC

Department Of Engineering Science And Mathematics

UNDEGRADUATE | HIGHER NATIONAL AND DEGREE TOP-UP

The Level 5 Higher National Diploma in Engineering focuses on the education and training of engineers/technicians who are employed at a professional level in a variety of types of technical work, such as in systems design, manufacture, maintenance, and technical services areas of the mechanical, electronic, and electrical engineering industries. The program includes analytical methods for engineers; engineering science; mechanical, electrical, and electronic principles; engineering design, the manufacturing process and engineering plant technology. This is a general pathway that is designed to support progression into relevant occupational areas or on to degree-level study. You can progress with this HND directly to final year/s of the BSc (Hons) Degree In Engineering.

The HND is 24 Months, and the BSc (HONS) degree top-up is 8-12 Months. The HND is US\$2,500 per year for face-to-face and online studies. The entry requirement is one of the following: five (5) IGCE\CSEC Subjects with English and Mathematics, SAT (score 1,000 or higher), GED score 1,750 or higher, or prior learning pathway for mature students. The HND is offered online from anywhere you live and Face-to-Face tutorials are in Kingston, Jamaica, and Fort Lauderdale Florida. Final year to top-up the degree can be done in Canada, USA, and UK at a partnering university or a university of choice. International students can study and work abroad on the final year - 20 hours weekly during classes, 40 hours while on break, and for two years after graduating.

ACADEMIC AND PROFESSIONAL CONTEXT

General Engineering

Career Pathways And Related Job Roles

Engineer | professionals who invent, design, analyse, build, and test machines, complex systems, structures, gadgets, and materials to fulfill functional objectives while considering the limitations, practicality, regulation, safety, and cost.

Electrical Engineers | evaluate systems, products, components, and applications by designing and conducting research programs, applying knowledge of electricity and materials; confirm systems and components capabilities by designing testing methods; and testing properties.

Manufacturing Engineers | develop manufacturing processes, design new equipment, processes, procedures, and systems; purchase and install new equipment, investigate production problems and repair equipment, make improvements to current operation to enhance efficiency, and supervise engineering and technical staff.

Mechanical Engineers | assess project requirements; measure the performance of mechanical components, devices, and engines; agree budgets, timescales and specifications with clients and managers; maintain and modify equipment to ensure that they are safe, reliable, and efficient; and use computer-aided design/modeling software.

Process Engineers | oversee and assess existing processes and workflows; optimize productivity by designing, implementing, and testing new procedures; track metrics to discover areas to improve; and report process status.

Product Engineers | duties include the design and creation of products and performing constant market analysis of competing products to determine and establish customer needs and requirements to exceed their expectations.

System Design Engineers | duties include managing and monitoring all installed systems and infrastructures, installing, configuring, testing, and maintaining operating systems, application software and system management tools.

PROFESSIONAL BODY RECOGNITION |

The Pearson BTEC Higher Nationals in General Engineering have been developed with career progression and recognition by professional bodies in mind. The development of this qualification has been informed by discussions with the Engineering Council UK (EC (UK)) and the Science, Engineering and Manufacturing Technologies Alliance (SEMTA). The Level 5 Higher National Diploma in Engineering is recognised by Higher Education providers as meeting admission requirements to relevant engineering degrees, for example the BSc (Hons) in Engineering (Top-Up).

A. PROGRAM AWARD AND ACCREDITATION

TITLE OF QUALIFICATION	BTEC L5 Higher National Diploma (HND) in Engineering (General Pathway)		
TAUGHT AT	AIM University Group		
AWARDING BODY	Business, Technology And Educational Council (BTEC)		
AWARD QUALIFICATION RECOGNITION BODIES	Office Of Qualification And Examination Council (OFQUAL); Qualifications and Curriculum Authority (QCA); and Quality Assurance Agency for Higher Education (QAA)		
ACCREDITATION #	500/8825/7	LINK	https://register.ofqual.gov.uk/

Optional: Degree (Top-Up) BSc (HONS) Degree In Engineering Top-Up At University Of Northampton

B. DURATION OF STUDY 24 Months For The HND | A college year is eight months with two semesters. The regular program duration for the higher nationals is 24 Months.

C. Mode Of Study Online and Face-To-Face

D. FINANCIAL INFORMATION	CHOOSE A FLEXIBLE PAYMENT		US\$	TOTAL COST OF PAYMENT PLAN
	FULL PAYMENT: PAY 24-MONTH PROGRAM FEE ONCE (Save \$1,300)		\$7,000	\$7,000
	ANNUAL PAYMENT: PAY ONCE PER YEAR (SAVE \$810)		\$2,500	\$7,500
	SEMESTER PAYMENT: PAY TWICE PER YEAR (SAVE \$570)		\$1,250	\$7,500
	TERM PAYMENT: PAY THRICE PER YEAR (SAVE \$360)		\$850	\$7,650
	PAY PER COURSE (See the payment schedule below)		\$500	\$8,000

E. COURSES AND CREDITS ON THIS PROGRAM			COLLEGE CREDITS	UNIT LEVEL	PAYING PER COURSE?
	FALL SEMESTER 1	Unit 1 Analytical Methods for Engineers (C)	15	L4	\$500
		Unit 2 Engineering Science (C)	15	L4	\$500
	SPRING SEMESTER 2	Unit 3 Project Design, Implementation and Evaluation (C)	20	L4	\$667
		Unit 4 Mechanical Principles (C)	15	L4	\$500
		Unit 5 Electrical and Electronic Principles (C)	15	L4	\$500
YEAR TWO (8 MONTHS)	SUMMER SEMESTER 3	Unit 8 Engineering Design (O)	15	L4	\$500
		Unit 10 Manufacturing Process (O)	15	L4	\$500
		Unit 39 Electronic Principles (O)	15	L5	\$500
	FALL SEMESTER 4	Unit 64 Electrical, Electronic and Digital Principles (O)	15	L5	\$500
		Unit 25 Engine and Vehicle Design and Performance (O)	15	L5	\$500
		Unit 28 Research Project (O)	20	L5	\$667
YEAR THREE (8 MONTHS)	SPRING SEMESTER 5	Unit 27 Personal and Professional Development (O)	15	L5	\$500
		Unit 29 Work-based Experience (O)	15	L5	\$500
		Unit 36 Further Analytical Methods for Engineers (O)	15	L5	\$500
	SUMMER SEMESTER 6	Unit 43 Plant and Process Principles (O)	15	L5	\$500
		Unit 76 Managing the Work of Individuals and Teams (O)	15	L5	\$500

MINIMUM CREDIT REQUIREMENTS OF: 240 CREDITS | A PASS must be gained on all core units (C) and optional units (O)



ABOUT US

Since 2011, The American Institute Of Management And Science University Group has been recruiting learners onto our globally recognized BTEC programs and for degree top-up at University Of Northampton. We partner with a number of world-leading universities in the US, UK, and Canada to organize annual college tours to encourage our learners to study abroad for the final years. AIM University Group is a great way to experience new cultures while working and studying. Come and immerse in a new culture while you gain work experience and earn an accredited degree.

CONTACT YOUR RECRUITER	CONTACT AIM University Group INC
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