

Bachelor of Science (Hons) Architectural Design Technology

in collaboration with Coventry University, UK

This programme is designed for those who wish to obtain knowledge and skills in Architectural Design Technology.

You will undertake design presentations, construction detailing, material selection, contract and statutory negotiations, Computer Aided Design (CAD) applications, project management, site inspections and quality control. This programme will prepare you to develop a career in design and architectural practices, based in local government, property development, building contracting, housing associations and a wide range of commercial development companies.

Programme Details

Duration: 3 years; 6 semesters
Principal teaching and learning methods used to enable outcomes to be achieved are lectures, tutorials, seminars, site visits, CAD and drawing classes, laboratory classes, design projects, problem based learning, field courses, group and individual problem solving exercises and projects, interdisciplinary integrated project involvement including design drawing and modelling.

Principal assessment methods used to enable outcomes to be demonstrated are laboratory reports, written examinations, essays, case study analysis, design and construction exercises, laboratory exercises, individual and group projects, verbal presentations and reports.

Subjects

LEVEL 1	
Semester A Structures Materials Construction Technology & Services 1 Skills for Academic Learning	Semester B Drawing & Design Studies Internal Environment Economics & Contract Studies Bahasa Kebangsaan A (for Malaysians only)

LEVEL 2	
Semester A Architecture Technology Construction Technology & Services 2 Town Planning & Construction Employability Skills	Semester B Architecture Technology Construction Law & Safety Architectural Drawing & Modelling Malaysian Studies (for Malaysian only)

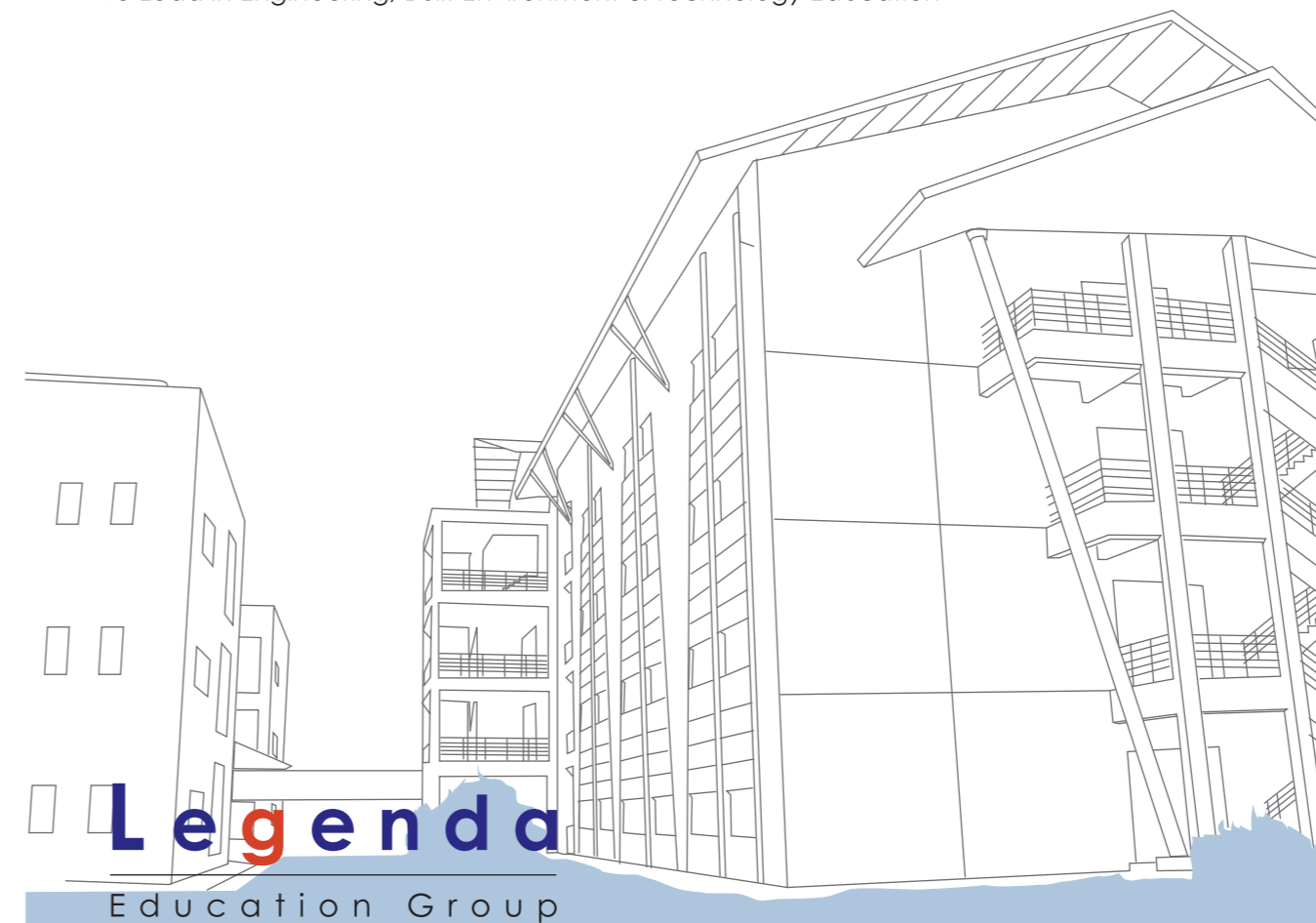
LEVEL 3	
Semester A Design Project Innovation in Construction CAD Applications Workshop: Research & Project Implementation	Semester B Design Project Integrated Project Contract Management (Building) Islamic Studies / Moral (for Malaysians only)

Offered at
Kolej Universiti Linton - KP/JPS (KA 9528) 12/13
Institut Jati - KP/JPS (PA 9528) 01/14



BUILT ENVIRONMENT

We Lead in Engineering, Built Environment & Technology Education



Kolej Universiti Linton
Linton University College
Registration: KPT/JPT/DFT/US/N 03
Kolej Lintn Sdn Bhd
(449905-P)

Institut Teknologi Pertama
Pertama Institute of Technology
Registration: JPNS/PP(IPTS)21/03
ITP Sdn Bhd
(188561-U)

Institut Jati
Jati Institute
Registration: N4P4005
Jati Cerah Sdn Bhd
(266085-H)

Kolej Legenda
Legenda College
Registration: N4PE017
Kolej Legenda Sdn Bhd
(605118-A)

Institut Sains Perubatan Mantin
Institute of Medical Sciences Mantin (IMM)
Registration: N4P4006
Advance Extreme Sdn Bhd
(663209-A)

Diploma in Architecture

The programme provides students with essential contemporary theoretical and practical knowledge, skills and techniques required for design documentation of buildings and administration of building construction.

Throughout the programme, students will be constantly involved in design projects, ranging from open-ended architectural speculation to the preparation of production information drawings.

Subjects in architectural technology, legal, contractual and management issues of architectural practice are also covered. This programme also provides a sound basis for advancement of studies at degree level and a range of design-related careers such as industrial design, interior design and landscape design. Graduates can seek employment mainly in architectural and construction firms.

Programme Details

- Duration: 3 years; 9 semesters
- Assessment: 60% examination, 40% coursework

Subjects

Bahasa Kebangsaan A (for Malaysians only)	Building Construction 2
Malaysian Studies (for Malaysians only)	Architectural Project 1 (Residential Building)
Islamic Studies / Moral Studies (for Malaysians only)	Building by Law
Introduction to Built Environment	Environment Science
Architectural Communication	Architectural Project 2 (Public Building)
Introduction to Construction Technology	Building Service 2
Mathematics	Specification & Contact Documentation
Building Construction 1	Refurbishment & Adaptation
Principles of Architectural Design	Architectural Design 3
Architectural Design Theory	Computer Aided of Architecture
Materials in Construction	Building Construction 3
Health, Safety & Welfare	
Introduction to Computer Aided Design	
Building Services 1	
Structural Behaviour & Detailing	

Offered at

Institut Teknologi Pertama - KP/JPS (KR 3727) 12/10

Diploma in Construction Management

This programme is specially designed for those seeking a career in construction project management with a general civil engineering construction or building firms. Students will be exposed to basic understanding of the management of civil engineering and building processes.

This programme emphasises on a multi disciplinary approach in areas of construction, management, finance, law and sociology which enhances graduates' critical thinking skills and knowledge that employers require in order to be effective in managing construction projects.

Broadly, students will be introduced to subjects such as internal environment, design, contractual agreement, tendering & estimation geotechnics, project

management, structural mechanics, surveying and many more.

This programme has an excellent employment prospect within and outside Malaysia. Generally graduates may either opt to further their studies at degree level or seek employment as construction supervisors, working for contractors, consulting engineers, architects or even the local authorities.

Students are also expected to participate in group projects as part of the common skills required towards achieving the award.

Programme Details

- Duration: 3 years; 9 semesters
- Assessment: 60% examination, 40% coursework

Subjects

Bahasa Kebangsaan A (for Malaysians only)	Building Services 2
Malaysian Studies (for Malaysians only)	Project Management
Islamic Studies / Moral Studies (for Malaysians only)	Health, Safety & Quality Control
Construction Mathematics	Building Quantities 2
Building Construction 1	Contract Administration
Introduction to IT	Building Economics
Communication Skills	Cost & Estimating
Building Drawing	Building Construction 3
Principles of Management	Construction Project Planning 1
Building Services 1	Construction Project Planning 2
Land Surveying	Law & Construction Contract
Structural Analysis	Building by Law
Building Construction 2	Site Management
Building Quantities 1	Specification Writing & Documentation
	Final Project

Offered at

Kolej Universiti Linton - KP/JPS (PA 6793) 02/11

Diploma in Quantity Surveying

This programme is considered as a specialist occupation programme and offers students the opportunity to gain skills and qualifications necessary to become a technical Quantity Surveyor. Skills taught include: analysing drawings and specifications, labour and material utilisation, quantifying and scheduling, administration of estimates, pricing of trades, preparing tenders, managing progress payments, and preparation of the final account. Here students will also learn about all types of construction, building services, materials and environment, building law and contract administration, and programming.

This programme has good employment prospect within and outside Malaysia. Generally graduates may either opt to further their studies at degree level or seek employment as QS supervisors working for contractors, consulting engineers, architects or even the local authority in management roles within the construction, property management and consultancy industries.

Students are also expected to participate in group projects as part of the common skills required towards achieving the award

Programme Details

- Duration: 3 years; 9 semesters
- Assessment: 60% examination, 40% coursework

Bahasa Kebangsaan A (for Malaysians only)	Building Services Engineering Technology
Pengajian Malaysia	Technology A
Pendidikan Moral / Pendidikan Islam	Technology B
Academic Communicative English 1	Measurement A
Academic Communicative English 2	Measurement B
Mathematics 1	Analytical Methods
Mathematics 2	Law & Contract
Computer Applications	Project Management
Construction Material	Measurement for Civil Engineering Works
Elements of Building Construction	Site Survey Procedures
Elements of Measurement	Contractual Procedures
Architectural Drafting	Tendering and Estimating
Introduction to Technology	Construction Economics
	IT Application (QS Software)
	Practical Training

Offered at

Kolej Universiti Linton - KP/JPS (KA 6794) 02/11

Institut Teknologi Pertama - KP/JPS (KR 8613 / A 1553) 11/12

Foundation Studies in Built Environment

This programme prepares students for the working environment and also serves as a launching platform for further studies. This programme aims at introducing students to the construction world and to further develop and equip them with related technical skills.

The programme combines both theory and practice in related fields within the construction industry. Students will be gradually exposed to basic trades and engineering aspects of construction to establish a stronger foundation both in their career and educational advancement.

Programme Details

- Duration: year; 3 semesters
- Assessment: 60% examination, 40% cousework

Subjects

Bahasa Kebangsaan A (for Malaysians only)	Introduction to Built Environment
Malaysian Studies (for Malaysians only)	Mathematics 2
Islamic Studies / Moral Studies (for Malaysians only)	Elements of Building Construction
Communication English 1	Communication English 2
Mathematics 1	Design Project
Computer Applications	Technical English
Construction Material	Elements of Measurement
Introduction to Building Economics	Critical Thinking
Architectural Drafting	Working Drawing

Offered at

Kolej Universiti Linton - KP/JPS (A 7583) 05/12

Institut Teknologi Pertama - KP/JPS (A 1377 / KR 10603) 08/14

Institut Jati - KP/JPS (PA 8903) 08/13

HND in Construction (Quantity Surveying)

The Business & Technology Education Council (BTEC), UK

This programme offers comprehensive, balanced, vocational and technical study for students wishing to pursue a career in Quantity Surveying. Students will be encouraged to develop problem-solving skills and capabilities together with personal skills of observation, analysis, judgement and communication in order to respond to practical challenges presented by rapidly evolving technological, social and economic demands applicable to built environment.

During the course of study, students will learn to manage the financing and budgeting of construction projects, and calculate, evaluate and manage project costs for projects to work within budget.

Though this programme is vocational with strong practical emphasis, fundamental principles and theory are also covered in order for students to stay abreast and understand future development in the surveying profession.

Programme Details

- Duration: 2 years; 6 semesters
- Assessment: 40% examination, 60% coursework

Subjects

Bahasa Kebangsaan A (for Malaysians only)	Group Project
Malaysian Studies (for Malaysians Studies)	Management Principles & Application
Islamic Studies / Moral Studies (for Malaysians only)	Measurement A
Building Services & Engineering Technology	Introduction to Technology
Design Principles & Application	Introduction to Measurement
Science & Materials	Site Survey Procedure
Technology A	Contractual Procedures
Analytical Methods	Tendering & Estimating
Health, Safety & Welfare	IT Application (QS software)
Technology B	Quantity Surveying Practice A
Law & Contract	Measurement for civil work
	Quantity Surveying Practice B
	Practical Training

Offered at

Kolej Universiti Linton - KP/JPS (PA 7997) 12/12

Institut Teknologi Pertama - KP/JPS (A 1471 / KR 10404) 07/14

Institut Jati - KP/JPS (PA9697) 05/14

HND in Construction (Architectural Design)

The Business & Technology Education Council (BTEC), UK

The programme provides students with the essential contemporary theoretical and practical knowledge, skills and techniques required for the design documentation of buildings and the administration of building construction.

Throughout the programme students will constantly be involved in design projects, ranging from open-ended architectural specification to the preparation of production information drawings.

It also features a number of subjects in architectural technology, legal,

contractual and management issue of architectural practice.

This programme also provides a sound basis for advancement for studies at degree level and a range of design-related careers such as industrial design, interior design and landscape design. Graduates can seek employment mainly in private architectural and construction firms.

Programme Details

- Duration: 2 years; 6 semesters
- Assessment: 40% examination, 60% coursework

Subjects

Bahasa Kebangsaan A (for Malaysians only)	Principles of Architectural Design
Malaysian Studies (for Malaysians only)	Refurbishment & Adaption
Islamic Studies / Moral Studies (for Malaysians only)	IT Application (General)
Building Services & Engineering Technology	Specification & Contract Documentation
Design Principles & Application	Architectural Design Theory
Science & Materials	Design Technology
Technology A	Introduction to Computer Aided Design (CAD)
Analytical Methods	Architectural Project 1 (Residential Building)
Health, Safety & Welfare	Structural Behaviour & Detailing
Technology B	Architectural Project 2 (Public Building)
Law & Contract	Advanced Computer Aided Design
Group Project	
Management Principles & Application	

Offered at

Kolej Universiti Linton - KP/JPS (KA 7996) 12/12

Institut Teknologi Pertama - KP/JPS (A 5878) 03/10

Institut Jati - KP/JPS (PA 9698) 04/14

Bachelor of Science (Hons) Construction Management

in collaboration with Coventry University, UK

This programme is designed for those who wish to obtain knowledge and skills which are necessary to become a highly trained professional in Construction Management. You will study construction technology, project planning and control, construction law and safety, and construction project management. Graduates in Construction Management are in great demand. Most graduate careers are concerned with building contracting with roles being varied, either site or office based.

Programme Details

- Duration: 3 years; 6 semesters

Principal teaching and learning methods used to enable outcomes to be achieved are lectures, tutorials, seminars, site visits, CAD and drawing classes, laboratory classes, design projects, problem based learning, field courses, group and individual problem solving exercises and projects, interdisciplinary integrated project involvement including design drawing and modelling.

Principal assessment methods used to enable outcomes to be demonstrated are laboratory reports, written examinations, essays, case study analysis, design and construction exercises, laboratory exercises, individual and group projects, verbal presentations and reports.

Career Prospects

Graduates from this programme can work as Construction Manager, Contract Manager or Project Manager. The Construction Manager's role is to provide construction advice to the designer and builder on behalf of client. Construction Managers assist and advise clients on cost and construction methods from design to the completion stage to ensure good value for the investments made.

Subjects

Level 1

Semester A	Structures • Economics & Contract Studies • Construction Technology & Services 1
Semester B	Drawing & Design Studies • Internal Environment • Materials • Skills for Academic Learning

Level 2

Semester A	Construction Technology & Services 2 • Construction Law & Safety • Management Principles & Statistics • Pengajian Islam / Pendidikan Moral (for Malaysians only)
Semester B	Project Planning & Control • Engineering Surveying • Employability Skills

Level 3

Semester A	Innovation in Construction • Contract Management (Building) • Management Studies • Workshop: Research & Project Implementation • Bahasa Kebangsaan A (for Malaysians only)
Semester B	Construction Finance • Construction Project (Dissertation) • Integrated Project • Pengajian Malaysia

Offered at

Kolej Universiti Linton - KP/JPS (KA 9344) 09/13

Institut Jati - KP/JPS (PA 9529) 01/14