COMPUTING
CREATING FUTURE TECHNOLOGY

KDU COLLEGE

ABOUT KDU

As a pioneer in private tertiary education in the region, KDU College sets itself apart by focusing on delivering quality programmes partnering with top universities around the world. With more than 48,000 alumni, KDU has built a strong presence in the region and continues to inspire its students to greater heights.

VISION - The premier learning organisation that sparks curiosity, inspires success and promotes responsibility.
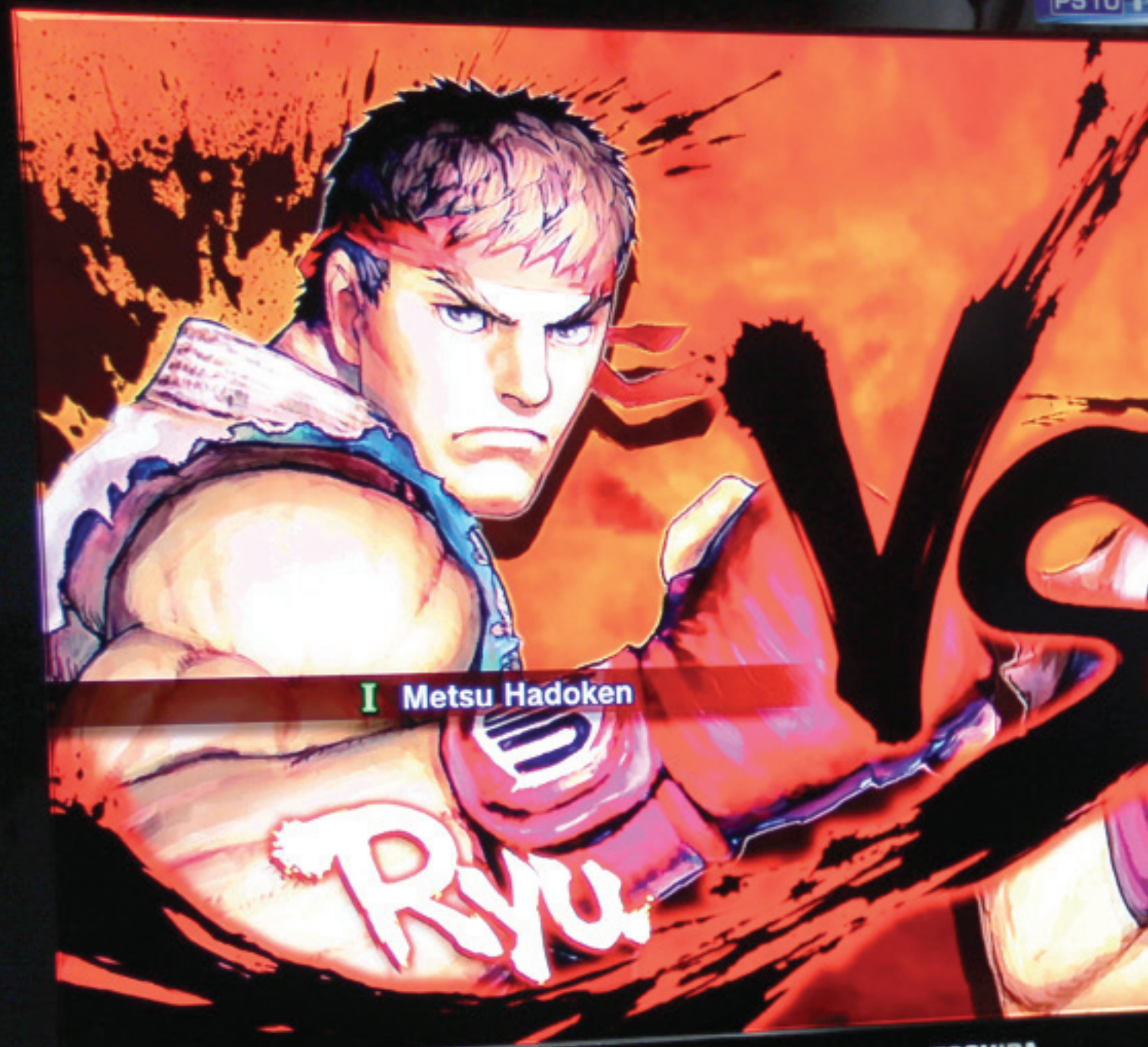
OUR PROMISE

" In the IT World, it is always important to be one step ahead. As such, we have invested RM 300,000 in a new Games & Programming Studio. We have also introduced Cloud Computing, Creative Computing and Mobile Technology into the Learning Syllabus."

Amy Leow
Business Development Manager
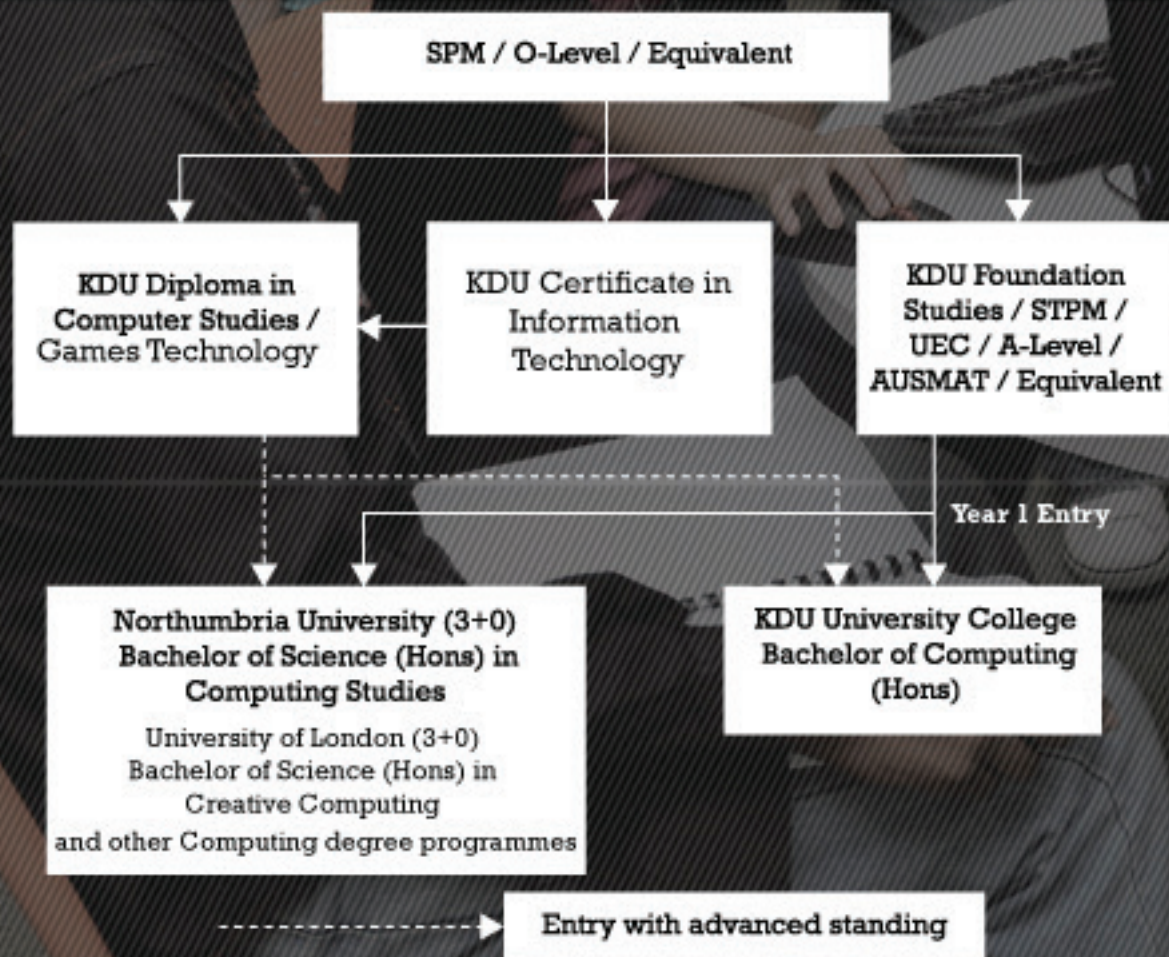Information Technology Department

Career Options

Programmer
IT Executive
IT Administrator
Help Desk Analyst
Software Engineer
System Engineer
System Analyst
Web Designer
Database Administrator
Game Tester

Network Administrator
Solution Deliver Manager
Research Officer
Consultant
IT Manager
IT Marketing Manager
Project Manager
Chief Information Officer
Chief Technology Officer
Game Developer

Computing in the Film, Music, TV, or Advertising Industries
Digital Curator
Designer (particularly Games Design)
IT Consultant / Systems Management / Analyst
Animator
Web Developer

STUDY ROUTE

SPM / O-Level / Equivalent

KDU Diploma in Computer Studies / Games Technology

KDU Certificate in Information Technology

KDU Foundation Studies / STPM / UEC / A-Level / AUSMAT / Equivalent

Year 1 Entry

Northumbria University (3+0) Bachelor of Science (Hons) in Computing Studies

University of London (3+0) Bachelor of Science (Hons) in Creative Computing and other Computing degree programmes

KDU University College Bachelor of Computing (Hons)

Entry with advanced standing

KDU believes that people should learn more from people and not just from books. Here at KDU, the lessons are learned but the people are celebrated for the inspiration they bring to each other.

Kumar Ramasamy
Graduate of 1994
Founder/Consultant
TRIX Technologies (M) Sdn. Bhd.

Finding an institution of higher learning is almost like looking for a needle in haystack. I chose KDU as it stood out in the crowd as it was one of the early pioneers in delivering a comprehensive IT program all encompassing technical areas with its knowledgeable faculty as well practical experience in enhancing the learning process.

Daniel Khoo Chen Yao
Graduate of 2000
Managing Consultant
Brightree Solutions Sdn. Bhd.

It was an easy choice (for me) because KDU had one of the best programs in the country and an IT infrastructure that was second to none. This and the team of academic staff in the school of Computing who were not just educators but partners in my journey towards obtaining my 1st degree were the main reasons for my success today.
KDU's strategic industry partnership programme allowed access to practical industry and project exposure possible. This has shaped our thought process and our approach to the field of study – we were well prepared for the industry.

Tan Ngiap Ai
Graduate of 2011
Unix Administrator
Seagate Technology

Success is not the key to happiness, happiness is the key to success. KDU College Penang provides a conductive learning environment which leads to an enjoyable study experience. With this andhard work and determination, one is a step closer to unlocking success.

CERTIFICATE in
Information Technology

JPT/BPP (A6760) 06/16

This certificate aims to provide you with the knowledge and know-how of ICT, as well as a strong foundation in business and English communication skills. Most importantly, it is designed to equip you with learning skills that will enable your smooth articulation into KDU's IT diploma programmes.

Year 1

- Integrated English I
- Mathematics I
- Introduction to Internet Technology
- Introduction to Computer Fundamentals
- Integrated English II
- Introduction to Database
- Introduction to Web Design
- Introduction to Multimedia Technology
- Introduction to Management
- Integrated English III
- Basic Statistics
- Introduction to Programming
- Introduction to E-Learning

MPU Subjects
Local
- Pengajian Malaysia I
- Oral Communication I/ Bahasa Kebangsaan A
- Ethics and Moral I

Foreign
- Bahasa Melayu Komunikasi I
- Oral Communication I
- Ethics and Moral I

Why Choose a KDU IT Certificate?

- This Certificate is able to provide you with the pathway into IT diploma programmes.
- The programme is accredited by MQA.

Duration : 1 year 4 months (Selected intake periods only)
Location : KDU PENANG

DIPLOMA in
Computer Studies

JPT/BPP (A5031) 03/19

Interested in IT? Through this course, you will be able to gain useful theoretical and programming knowledge in IT that will prepare you for the IT industry. You will acquire hands-on experience in programming using different platforms and languages, and deal with the fundamentals of computer software and multimedia components of computing.

//Year 1
- Cloud Computing
- Personal Development and Leadership Skills
- Computing Mathematics
- User Interface Design
- Object Oriented Systems Analysis and Design
- Data Structure & Algorithms
- VB Programming
- Database Systems
- Multimedia Authoring
- Networking and Operating System
- Fundamentals of Object Oriented Programming

//Year 2
- Internet Technology and Application
- Java Programming
- Creative Computing
- System Administration and Management
- Fundamentals of Security in Ethical Hacking
- Mobile Technology
- Internship

//Year 3
- Technopreneurship
- Project

MPU Subjects
Local
- Pengajian Malaysia II
- Oral Communication II/ Bahasa Kebangsaan A
- Ethics and Moral II
- Holistic Personal Development

Foreign
- Bahasa Melayu Komunikasi I
- Oral Communication II
- Ethics and Moral II
- Holistic Personal Development

Duration : 2 years 4 months
Location : KDU PENANG

Why choose a KDU IT diploma?

- **22 years of unbeatable experience in IT education.** The IT School was one of KDU Penang's founding academic schoools in 1991 and still the leader in this arena after 22 years.
- **Get Ahead with Cloud and Mobile Computing.** Be in line with today's industry needs through our Cloud and Mobile Computing syllabus.
- **Industry standard technology facilities.** Remote Desktop and Communication Classrooms, Multimedia Labs and Games Design Lounge and Lab for a holistic learning experience.
- **Graduate with Professional Certifications.** Get a head start over the rest with professional certifications in database management, networking and IT security from : 1) Oracle University 2) Microsoft Technology Associate 3) EC- Council

DIPLOMA in Games Technology

JPT/BPP (A6739) 06/16

Games technology covers a wide area ranging from simulation, programming to creating adventure features that are used in entertainment, gaming and multimedia. If you're looking for a career that combines creativity and technical IT skills, then this programme is perfect for you, as you will be able to explore the technical and an entertainment components & games.

// Year 1
- Personal Development and Leadership Skills
- Games Mechanics
- Computing Mathematics
- Graphics & Animation Basics
- User Interface Design
- Object Oriented Systems Analysis and Design
- Database Systems
- Games Architecture and Design
- Multimedia Authoring
- Networking and Operating System
- Fundamentals of Object Oriented Programming

// Year 2
- Java Programming
- Games Programming
- Internet Technology and Application
- Mobile Technology
- Audio and Visual Game Elements
- Artificial Intelligence for Games
- Internship

// Year 3
- Technopreneurship
- Project

MPU Subjects
Local
- Pengajian Malaysia II
- Oral Communication II/ Bahasa Kebangsaan A
- Ethics and Moral II
- Holistic Personal Development

Foreign
- Bahasa Melayu Komunikasi I
- Oral Communication II
- Ethics and Moral II
- Holistic Personal Development

Duration : 2 years 4 months
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UNIVERSITY PARTNERS

northumbria
UNIVERSITY

Northumbria University, in Newcastle Upon Tyne, is an expanding multicultural learning community, with excellent links with further and higher education, industry and commerce throughout the UK, Europe and beyond. Renowned for the excellence of its teaching, as well as for preparing students for the world of work. Northumbria also provides research opportunities for professional reflective practice.

INDUSTRY PARTNERS

Sun
ORACLE
Microsoft
sage
C|E|H v7
Certified Ethical Hacker

celcom

EC-Council | Network
Security
Administrator

Northumbria University, UK
3+0 Bachelor of Science (Hons) Computing Studies

JPT/BPP (A8334) 08/19

Fast-forward your career into a wide range of computer-related professional positions in technology-centred organizations with this cutting edge degree. Multidisciplinary and integrative, this programme will train you to become skilled in developing and managing computer solutions, and knowledgeable in current and emergent technologies and business practices. This will culminate in a final year project which focuses on simulating real practices to enhance your employability in the industry.

// Year 1
- Programming I
- Computing Fundamentals
- Web Technologies
- Relational Databases
- Programming II
- Systems Analysis

// Year 2
- Professional Software Engineering Practice
- Dynamic Internet Technologies
- Program Design & Development
- Operating Systems in Practice
- Computer Networks
- Mobile Application Development
- Industrial Training

// Year 3

Major: Software Development and Management
- Case Project
- Individual Project
- Machine Learning and Computer Vision
- Strategic Systems Management
- Effective Systems Development

Major: Software Development and Multimedia
- Case Project
- Individual Project
- Machine Learning and Computer Vision
- Web Application Integration
- Emerging Web Technology and Methods

Duration : 3 years
Location : KDU PENANG

northumbria
UNIVERSITY

MPU Subjects

Local
- Hubungan Etnik
- TITAS
- Bahasa Kebangsaan A / IELTS Preparatory Class
- Ethics & Moral III
- Holistic Professional Development

Foreign
- Bahasa Melayu Komunikasi II
- Pengajian Malaysia III
- IELTS Preparatory Class
- Ethics and Moral III
- Holistic Professional Development

Why choose a Northumbria IT Degree?

- KDU has partnership with Sun, Oracle, Sage, Celcom, EC-Council and Microsoft which allows you insights to the industry.
- You can transfer to Northumbria University, UK, after completion of each level, should you wish.
- The programmes carries recognition from the British Computing Society.
- The Northumbria University degree programme is accredited by MQA.
- Our flexible and attractive industrial training allows you to gain industrial exposure with the IT industry. You will be able to relate theory with practical. Some of the organizations which after internships to our students include Intel, Dell, Plexus, AMD, Sony, National Instruments, IBM, Osram, First Solar and many more.

FACILITIES

// Business Lounge
// Carême
  • Pastry & Bakery Kitchen
// Cafeteria
// Communication Lab
// Computer labs and iMac labs
// Electrical Power Lab
// Electronics Lab
// Escoffier
  • Garde Manger & Butchery Kitchen
// Fully-equipped science labs
// Games Design Lab
// Gymnasium
// Library
  • Electronic book databases
  • Electronic journal databases
  • Specialized electronic databases
// KDU-Holiday Inn Hospitality Training Suite
// Pastry Kitchens
  • Fully-equipped hotel specification kitchen
  • State-of-the-art equipment
// Service Restaurants
  • Bon Appètit – Fine Dining
// Spin Doctor Lab
// Surau
// VLSI Lab
// Wi-Fi enabled campus

BUSINESS • Cert. in Financial Planning (CFP) • Dip. in Business • Keele University 3+0 B. Arts (Hons) Business Management (Double Major)

MASS COMMUNICATION • Dip. in Mass Communication • Northumbria University 3+0 BSc. (Hons) Communication and Public Relations

COMPUTING • Cert. in Information Technology • Dip. in Computer Studies • Dip. in Games Technology • Northumbria University 3+0 BSc. (Hons) in Computing Studies • University of London 3+0 Bsc. (Hons) in Creative Computing

DESIGN • Diploma in Creative Media Design • Diploma in Interior Design

ENGINEERING • Dip. in Electrical & Electronic Engineering (Microelectronics) • Dip. in Electrical & Electronic Engineering (Mechatronics) • Northumbria University 3+0 BEng. (Hons) in Electrical & Electronic Engineering

HOSPITALITY, TOURISM & CULINARY ARTS • Dip. in Hotel Management • IMI University Centre Dip. in International Hotel & Tourism Management • IMI University Centre Dip. in Professional Chef Training • IMI University Centre 3+0 B.A in International Hotel & Tourism Management

LANGUAGE • Intensive English Language • IELTS Preparatory Course • CIDTT • Intensive English Language Enhancement Programme (IELEP) • Holiday English Language Course (HELC) • Corporate Training Programmes • Better English for Better Business Opportunity Training Programmes • Creative Tips and Tricks in Teaching English Workshops

PRE-UNIVERSITY • OCE A-Level

K|D|U
COLLEGE

This is a
5 ★★★★★ STAR COLLEGE
MyQuest Audit 2010/2011
MyQuest Audit 2012/2013
By the Ministry of Education, Malaysia

KDU College (Pg) Sdn. Bhd. DK 280 (P)
By Paramount Education

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30300 Ipoh, Perak.
Tel   : 05-241 4211
Fax   : 05-241 4211
Email : best@kdupg.edu.my

Website: http:// www.kdupg.edu.my
Other members include:

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