

School of

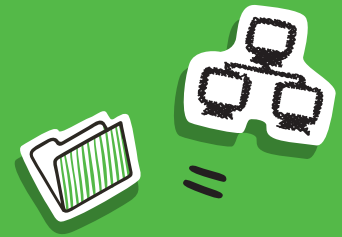
ELECTRONICS & INFO-COMM TECHNOLOGY

Power
Connectivity
#itecelectronicsandICT

I can make a
difference!
#itecollegecentral



2 Ang Mo Kio Drive Singapore 567720
Tel : 1800 222 2111 / 6590 2211
www.ite.edu.sg/colleges/ite-college-central



ABOUT SCHOOL OF ELECTRONICS & INFO-COMM TECHNOLOGY

If you are looking for fun and experimental ways of learning, ITE College Central's **School of Electronics & Info-Comm Technology** is the right choice for you. Using the Play.Learn.Build teaching and learning model, our **School of Electronics & Info-Comm Technology** provides you with opportunities to be that dynamic learner and problem-solver in finding real-world solutions through exploratory means. Hone your skills and technical knowledge in electronics systems and tools, and the working of new technologies for an exciting career with the electronics and ICT industry.



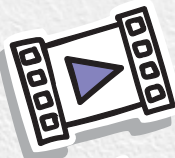
ITE College Central



@itecollegecentral

School of Electronics & Info-Comm Technology

Higher Nitec in BROADCAST & MEDIA Technology



*I can make a
difference!*

Digital Media Broadcasting - The World As Your Audience.

The Broadcast & Media industry is always fun and exciting. From executing real-time live broadcast of events (e.g. NDP), planning precise schedule for broadcast, quality check on broadcast media contents, to watching over 100 of TV channels worldwide, there is never a dull moment for our graduates.

If this is your job aspiration, the **Higher Nitec in Broadcast & Media Technology** course is for you.

YOU WILL LEARN

- Digital Media Ingestion
- Video Streaming Essentials
- Editing for Broadcast Standards
- Programme Schedule Management
- Digital Media Services
- Studio Control & Management
- Mobile Video Marketing
- Project Management
- Bridging Maths 1

CAREER PROSPECTS

- Broadcast and Media Technical Specialist
- Broadcast Operation Executive/Specialist
- Media Ingestion/Contents Operator
- Master Control Operator
- Network Transmission Assistant

PROGRESSION OPPORTUNITIES

Higher Nitec in Broadcast & Media Technology graduates with a Grade Point Average (GPA) of 2.0 and above may apply for progression to the first year of a related diploma course at the Polytechnics.



ENTRY REQUIREMENTS

GCE 'O' Level grades in English Language, Mathematics and 1 approved subject:

Grade 1-8 in English Language

Grade 1-7 in Mathematics (Elementary or Additional)

Grade 1-8 in an approved subject: Biology /

Biotechnology / Chemistry / Combined Science / Computing / Computer Studies / Design & Technology / Electronics / Fundamentals of Electronics / Human & Social Biology / Integrated Science / Physics/ Engineering Science / Science (Chemistry, Biology) /

Science (Physics, Biology) / Science (Physics, Chemistry) / Physical Science / Science (Physics, Biology, Chemistry)

Note:

Applicants for this course must ensure that they are free from colour appreciation deficiency.

School of Electronics & Info-Comm Technology

Higher Nitec in CYBER & NETWORK Security



I can make a
difference!

Higher Nitec in Cyber & Network Security

Are you bold enough to be a cyber-defender in securing our network servers and end-user devices against online threats?

Join **Higher Nitec in Cyber & Network Security** and be a champion for cyber security. You will learn to provide technical support for servers, networks as well as perform vulnerability scanning, and incident monitoring and reporting.



ENTRY REQUIREMENTS

GCE 'O' Level grades in English Language, Mathematics and 1 approved subject:

Grade 1-8 in English Language

Grade 1-7 in Mathematics (Elementary or Additional)

Grade 1-8 in an approved subject: Biology / Biotechnology / Chemistry / Combined Science / Computing / Computer Studies / Design & Technology / Electronics / Fundamentals of Electronics / Human & Social Biology / Integrated Science / Physics / Engineering Science / Science (Chemistry, Biology) / Science (Physics, Biology) / Science (Physics, Chemistry) / Physical Science / Science (Physics, Biology, Chemistry)

OR

GCE 'N(A)' Level passes in English Language, Mathematics and 3 other subjects:

Grade 1-4 in English Language

Grade 1-4 in Mathematics

Grade 1-5 in 3 other subjects;
and

A total of 19 points or less for English, Mathematics and three other subjects (ELMAB3)*

* Eligible, graduating GCE N(A) students who applied and enrolled during the January intake under the Direct Entry Scheme, will undergo 10 weeks of preparatory programme, followed by 2 years of Higher Nitec training.

YOU WILL LEARN

- Computer Maintenance and Operating Systems
- Enterprise Networking
- System Administration
- Virtualisation
- IT Security
- Security Operations

CAREER PROSPECTS

- Cyber Security Associate
- Technical Support Executive
- Infrastructure Executive
- Security Executive
- Associate Security Administrator
- Information Security Associate
- Information Security Officer

PROGRESSION OPPORTUNITIES

Higher Nitec in Cyber & Network Security graduates with a Grade Point Average (GPA) of 2.0 and above may apply for progression to the first year of a related diploma course at the Polytechnics.

School of Electronics & Info-Comm Technology

Higher Nitec in ELECTRONICS ENGINEERING



I can make a
difference!

Higher Nitec in Electronics Engineering

The key to the future of a smart nation is leveraging on the fundamentals of smart devices and systems.

With **Higher Nitec in Electronics Engineering**, you will become an integral part in the innovation and evolution of smart devices (smart phones, smart watches, robotics, drones and others). You will gain strong foundations and essential skills in electronics and a good headstart in your careers in the various sectors:

- Audio Visual Systems
- Marine Electronics
- IoT & Communications

YOU WILL LEARN

- Analogue Principles and Applications
- Digital Principles and Applications
- Communications and Networking
- Microcontroller Applications

Students will be able to choose their specialisation in Year 2.

Specialisations include:

1. IoT and Communications,
2. Audio Visual Systems (only offered in ITE College Central), and
3. Marine Electronics (only offered in ITE College Central)

CAREER PROSPECTS

- Computer Systems Specialist
- Communication Equipment Specialist
- Electronics Engineering Specialist
- Engineering Assistant
- Audio Visual Specialist
- Marine Electronics Service Technician / Engineer.

PROGRESSION OPPORTUNITIES

Higher Nitec in Electronics Engineering graduates with a Grade Point Average (GPA) of 2.0 and above may apply for progression to the first year of a related diploma course at the Polytechnics.

Higher Nitec in Electronics Engineering graduates with a Grade Point Average (GPA) of 2.0 and above together with 2 years of relevant work experience may apply for progression to a related Technical Engineer Diploma course at ITE.



ENTRY REQUIREMENTS

GCE 'O' Level grades in English Language, Mathematics and 1 approved subject:

Grade 1-8 in English Language

Grade 1-7 in Mathematics (Elementary or Additional)

Grade 1-8 in an approved subject: Biology / Biotechnology / Chemistry / Combined Science / Computing / Computer Studies / Design & Technology / Electronics / Fundamentals of Electronics / Human & Social Biology / Integrated Science / Physics/ Engineering Science / Science (Chemistry, Biology) / Science (Physics, Biology) / Science (Physics, Chemistry) / Physical Science / Science (Physics, Biology, Chemistry)

OR

GCE 'N(A)' Level passes in English Language, Mathematics and 3 other subjects:

Grade 1-4 in English Language

Grade 1-4 in Mathematics

Grade 1-5 in 3 other subjects;

and

A total of 19 points or less for English, Mathematics and three other subjects (ELMAB3)*

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Note:

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School of Electronics & Info-Comm Technology

Higher Nitec in GAMES ART & DESIGN



Higher Nitec in Games Art & Design

Have you ever seen amazing creatures, awesome spaceships, unforgettable characters and uncanny worlds in computer games? Have you ever wanted to create something like this on your own?

In **Higher Nitec in Games Art & Design**, you will see your creations come alive in the world of interactive (game) entertainment. You will learn to harness your imagination to create the works of art using tools like Photoshop and Maya. You will create characters, animations and environments to build a universe for gamers to experience, and learn how to develop 2D and 3D art assets that are used in computer games.



ENTRY REQUIREMENTS

GCE 'O' Level grades in English Language, Mathematics and 1 approved subject:

Grade 1-8 in English Language

Grade 1-7 in Mathematics (Elementary or Additional)

Grade 1-8 in an approved subject:

Biology / Biotechnology / Chemistry / Combined Science / Computing / Computer Studies / Design & Technology / Electronics / Fundamentals of Electronics / Human & Social Biology / Integrated Science / Physics/ Engineering Science / Science (Chemistry, Biology) / Science (Physics, Biology) / Science (Physics, Chemistry) / Physical Science / Science (Physics, Biology, Chemistry)

OR

GCE 'N(A)' Level passes in English Language, Mathematics and 3 other subjects:

Grade 1-4 in English Language

Grade 1-4 in Mathematics

Grade 1-5 in 3 other subjects;

and

A total of 19 points or less for English, Mathematics and three other subjects (ELMAB3)*

* Eligible, graduating GCE N(A) students enrolled during the January intake under the Direct Entry Scheme to Polytechnic Programme (DPP) will undergo 10 weeks of preparatory programme, followed by 2 years of *Higher Nitec* training.

YOU WILL LEARN

- Games Design Principles
- Drawing Fundamentals
- 2D Games Asset Creation
- 3D Modelling and Texturing for Games
- Games Level Design
- 3D Rigging and Animation for Games
- Games Portfolio Development
- Special Effects for Games
- Web Games Production

CAREER PROSPECTS

- Design Conceptual Artist
- Character Designer
- Game Level Designer

PROGRESSION OPPORTUNITIES

Higher Nitec in Games Art & Design graduates with a Grade Point Average (GPA) of 2.0 and above may apply for progression to the first year of a related diploma course at the Polytechnics.

Higher Nitec in GAMES PROGRAMMING & DEVELOPMENT



Higher Nitec in Games Programming & Development

Does designing and creating fun, interesting computer games for entertainment or other (education or training) purposes sound exciting to you?

In **Higher Nitec in Games Programming & Development**, you will learn how to design and develop amazing game creations that captivate gamers, using programming tools like Unity, Unreal and Xcode.

YOU WILL LEARN

- Games Design Principles
- Programming Fundamentals
- Games Programming
- Games Development Techniques
- Mobile Games Development
- Games Level Design
- Games Integration and Testing
- Special Effects for Games

CAREER PROSPECTS

- Game Tester
- Game Programmer
- Games Content Developer
- Games Software Engineer

PROGRESSION OPPORTUNITIES

Higher Nitec in Games Programming & Development graduates with a Grade Point Average (GPA) of 2.0 and above may apply for progression to the first year of a related diploma course at the Polytechnics.



ENTRY REQUIREMENTS

GCE 'O' Level grades in English Language, Mathematics and 1 approved subject:

Grade 1-8 in English Language

Grade 1-7 in Mathematics (Elementary or Additional)

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School of Electronics & Info-Comm Technology

Higher Nitec in IT APPLICATIONS DEVELOPMENT



I can make a
difference!

Higher Nitec in IT Applications Development

Future-proof your career with skills to develop Next Generation IT Applications in the digital economy!

In **Higher Nitec in IT Applications Development**, you will develop highly sought-after skills and capabilities to develop and support business applications for the web and smart devices to meet business objectives across various industries.

YOU WILL LEARN

- User Experience Development
- Programming Fundamentals
- Interactive Applications Development
- Web Content Management
- Web Solutions Development
- Mobile Applications Programming
- Mobile Solutions Development

CAREER PROSPECTS

- Application Programmer
- Rich Internet Application (RIA) Developer
- Application Support Analyst
- Web Commerce Applications Developer
- UI Programmer
- IT Specialist (Mobile Programmer)
- Mobile Applications Developer Support
- Web Developer Support
- Test Engineer

PROGRESSION OPPORTUNITIES

Higher Nitec in IT Applications Development graduates with a Grade Point Average (GPA) of 2.0 and above may apply for progression to the first year of a related diploma course at the Polytechnics.



ENTRY REQUIREMENTS

GCE 'O' Level grades in English Language, Mathematics and 1 approved subject:

Grade 1-8 in English Language

Grade 1-7 in Mathematics (Elementary or Additional)

Grade 1-8 in an approved subject: Biology / Biotechnology / Chemistry / Combined Science / Computing / Computer Studies / Design & Technology / Electronics / Fundamentals of Electronics / Human & Social Biology / Integrated Science / Physics / Engineering Science / Science (Chemistry, Biology) / Science (Physics, Biology) / Science (Physics, Chemistry) / Physical Science / Science (Physics, Biology, Chemistry)

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School of Electronics & Info-Comm Technology

Higher Nitec in IT SYSTEMS & NETWORKS



I can make a
difference!

Higher Nitec in IT Systems & Networks

Are you enthusiastic about how computer systems communicate with other computers and peripherals in a networked environment? Do you understand how viruses attack the computer systems and how this can be avoided?

In **Higher Nitec in IT Systems & Networks**, you will learn how to install and maintain secured computer network systems across different platforms.

YOU WILL LEARN

- Computer Maintenance and Operating Systems
- Networking Technology
- System Administration
- Virtualisation
- Systems Programming
- Wireless and Network Security
- Advanced Networking
- Digital Media Marketing
- Apple OS Administration
- Linux Essentials

CAREER PROSPECTS

- Network Support Specialist Technician
- IT Technical Support Specialist
- Multimedia Developer
- Associate System Administrator
- Desktop Support Engineer
- Network Traffic Engineer

PROGRESSION OPPORTUNITIES

Higher Nitec in IT Systems & Networks graduates with a Grade Point Average (GPA) of 2.0 and above may apply for progression to the first year of a related diploma course at the Polytechnics.



ENTRY REQUIREMENTS

GCE 'O' Level grades in English Language, Mathematics and 1 approved subject:

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