VIDEO (MYANMAR) FOR THE OFFERED COURSES

www.iqytechnicalcollege.com/IQYIPEMCourseInformation.htm

IQY Technical College Programs and Career

Offered Courses

Bachelor of Applied Science Information Technology / Professional Diploma in Information Technology Courses
Advanced Diploma/ Diploma/Certificate in Information Technology Courses
Graduate Diploma/ Master Diploma/ Master of Applied Science (Information Technology) Courses
Diploma in Doctorate Studies/ Doctor of Philosophy Programs

Graduate Diploma of Engineering Practice (Computer Control Engineering) Course Outline(70714)

Diploma in Computer Aided Engineering (3556678)

Diploma in Telecommunication Engineering (30116)

Bachelor of Applied Science Information Technology / Professional Diploma in Information Technology Courses

Bachelor Degree Programs (St Clements University Higher Education School &

STC Technological University of British West Indies)

Bachelor of Applied Science (Computer Science & Computer Technology)
BAppSc(IT) (63112/63212)

Advanced Courses after BAppSc(IT)

Bachelor of Computer Programming (63113)

Bachelor of Game Design and Development (63114)

Bachelor of Science (Computer Networking) (63115)

Bachelor of Computer Programming and Software (6654321)

Bachelor of Computer Networking and Hardware (6654322)

Advanced Diploma/ Diploma/Certificate in Information Technology Courses

The following courses highlighted in this area are combined with Certificate in Tertiary Preparation (Year 11+12) General Education

[Information Technology Course Outline](#) (23112/33112/43113)

[Certificate in Information Technology Course Outline](#) (23112)

[Diploma in Information Technology Course Outline](#) (33112)

[Advanced Diploma in Information Technology Course Outline](#) (43113)

[Diploma in Telecommunication Engineering](#) (30116)

[Professional Certificate in Medical Data System + Graduate Certificate in Information Technology](#) (Medical data system) (4889008)

[Certificate of Attendance in Diploma/ Professional Diploma in Engineering, Management and Information Technology Programs](#) (A66223) Form-Click [HERE](#)

Double Degrees Program

[Double Degrees (BE+BMgt/ BE+BAppSc(IT)/ BMgt+BAppSc(IT)](#)

[Graduate Diploma of Engineering Practice (Computer Control Engineering) Course Outline](#)(70714)

Graduate Diploma/ Master Diploma/ Master of Applied Science (Information Technology) Courses

[Master Degree Programs (St Clements University and](#)

[STC Technological University of British West Indies)](#)

Master of Science (Information Technology)/Master of Information Technology

(73114/73214/83215)

(Master Diploma in Applied Science-Information Technology)

Master of Applied Science (Computer Networking) (70883)+

Master of Engineering (Computer Networking)(70884)

Graduate Diploma in Geographic Information Systems(6886650)

Diploma in Doctorate Studies/ Doctor of Philosophy Programs

Doctor of Philosophy Degree Programs (St Clements University and STC Technological University of British West Indies)

IQY Diploma in Doctorate Studies (90110)

HAND BOOKS

IQY Milestones and recognitions

Advanced Diploma in Information Technology (Course Outline)

	St Clements+ Highlight Course	Pt				Australian IT Diploma Course
	THEORETICAL TRAINING					
ICT 201	Organisational Behaviour	5			BSBWOR502B	Ensure team effectiveness
					BSBMGT516A	Facilitate continuous improvement
					BSBSUS501A	Develop workplace policy and procedures for sustainability
ICT 202	Information Systems Principles and Networking	5	BAE602		ICANWK516A	Determine best-fit topology for a local network
					ICANWK532A	Identify and resolve network problems
					ICANWK614A	Manage IT security
ICT 203	Information Systems, Analysis and Design	5	BAE602	2	ICAPRG602A	Manage the development of technical solutions from business specifications
					ICAICT509A	Gather data to identify business requirements
					ICAICT603A	Manage the use of appropriate development methodologies
					ICAICT608A	Interact with clients on a business level
					ICAPMG606A	Manage IT project quality
					ICAICT713A	Manage IT services
ICT 204	Advanced Programming	5	BAE601		ICAPRG527A	Apply intermediate object-oriented language skills
					ICAPRG501A	Apply advanced object-oriented language skills
					ICAPRG505A	Build advanced user interface
ICT 205	Project Work	5	BAE602	Core	ICAPRG506A	Manage copyright, ethics and privacy in an IT environment
ICT 206	WORK PERFORMANCE ASSESSMENT			Core	ICAPMG601A	Establish IT project governance
				Core	ICAPMG602A	*Manage IT project initiation
				Core	ICAPMG603A	*Manage IT project planning
				Core	ICAPMG604A	*Manage IT project delivery
	Total	30		Core	ICAPMG605A	*Manage IT project closure

 Advanced Diploma in Management (60 cp)+
Diploma in Information Technology(30 cp)

Bachelor of Applied Science (Computer Science & Computer Technology)

Year (3)

Unit	Topics	Reference	Points
ICT 301	General Electrical Knowledge	EE101	3
ICT 302	Digital Electronics	EE209/H012	3
ICT 303	Amplifier	EE208/H013	3
ICT 304	Material Science	E081	3
EE204	Physics	E046	3
EE201	Mathematics 1	E050	3
EE202	Mathematics 2	E026	3
EE306	Basic Control	I008	3
BAE605	Management		3
BAE408	Analog & Digital Electronics		3
	Mgt 301 Electronics Business		3
	Mgt 302 Information Security		3
	Mgt 303 Management Information System		4
		TOTAL	40

Year (4)

Unit	Topics	Reference	Points
ICT 401	Advanced Mathematics 1	BAE401	3
ICT 402	Advanced Mathematics 2	BAE402	3
BAE604	Telecommunication System		3
BAE508	Project Management		3
ICT 305	Professional Programming (1) C++		3
ICT 403	Professional Programming (2) Object Oriented		3
ICT 404	Professional Programming (3) Java		3
ICT 405	Professional Practice (1) Network		3
ICT 406	Professional Practice (2) Website		3
ICT 407	Artificial Intelligence		3
	Mgt 304 Electronics Commerce		3
	Mgt 305 Quantitative Methods for Management		3
	Mgt 306 Human Resources Management		3
	Mgt 307 Marketing Management		3
		TOTAL	42

Total credit points Year 1+2= 90+ Yr3+4=82 = 172

Bachelor of Applied Science (Computer Science & Computer Technology)

Year (3)

Year 3 program focuses on hardware aspects of computer technology. Computer electronics circuit boards operation principles are emphasized. Basic electrical principle, analogue and digital electronics principle together with academic subjects of mathematics, physics, material science and management are contained in the program.

Unit	Topics	Reference	Points
ICT 301	General Electrical Knowledge	EE101	3
ICT 302	Digital Electronics	EE209/H012	3
ICT 303	Amplifier	EE208/H013	3
ICT 304	Material Science	E081	3
EE204	Physics	E046	3
EE201	Mathematics 1	E050	3
EE202	Mathematics 2	E026	3
EE306	Basic Control	I008	3
BAE605	Management		3
BAE408	Analog & Digital Electronics		3
		TOTAL	30

Year (4)

Year 4 program focuses on advanced programming, website development and computer network subjects. Computerised communication technology is included as Telecommunication System., As this stage is a final year of 4 years programs in Computer Science, Computer Technology & information Technology, students' self study subjects in programming, website and computer networking subjects are arranged for the students to prepare their final stage projects.

Unit	Topics	Reference	Points
ICT 401	Advanced Mathematics 1	BAE401	3
ICT 402	Advanced Mathematics 2	BAE402	3
BAE604	Telecommunication System		3
BAE508	Project Management		3
ICT 305	Professional Programming (1) C#		3
ICT 403	Professional Programming (2) Object Oriented		3
ICT 404	Professional Programming (3) Java		3
ICT 405	Professional Practice (1) Network		3
ICT 406	Professional Practice (2) Website		3
ICT 407	Artificial Intelligence		3
		TOTAL	30

BE+BAppSCIT

Adv Dip in Engineering (60cp)+Dip IT (30 cp)

Bachelor of Engineering (Electrical)

YEAR 3 +4

Subjects
BAE 401 Advanced Engineering Mathematics
BAE 402 Calculus
BAE 403 Engineering Mechanics
BAE 404 Engineering Materials & Thermodynamics
BAE 405 Advanced Circuit Analysis
BAE 406 Electro-mechanics
BAE 407 Advanced Electro-magnetics Field & Materials
BAE 408 Analogue & Digital Electronics

ICT 302	Digital Electronics	3
ICT 303	Amplifier	3
ICT 304	Material Science	3

BAE 501 Advanced Power Systems & Power Transmission Networks
BAE 502 Linear System
BAE 503 Control System
BAE 504 Power System Analysis
BAE 505 Power System Optimization

BAE 506 Power System Stability & Protection
BAE 507 Electro-mechanical Energy Conversion
BAE 508 Industrial Engineering & Industrial Management
BAE 601 Computer Programming
BAE 602 Computer Network
BAE 603 Software Engineering
BAE 604 Telecommunication Engineering
BAE 605 Engineering Management
BAE 606 Building Service Electrical & Mechanical Engineering
BAE 607 Radio Wave Propagation & Microwave Techniques
BAE 608 Professional Engineer Competency Demonstration Report
ICT 401Advanced Mathematics 1
ICT 402Advanced Mathematics 2
ICT 305Professional Programming (1) C++

Engineering 72 CP+ ICT =12 CP= 84 CP

Year 5

ICT 403	Professional Programming (2) Object Oriented	3
ICT 404	Professional Programming (3) Java	3
ICT 405	Professional Practice (1) Network	3
ICT 406	Professional Practice (2) Website	3
ICT 407	Artificial Intelligence	3

Year 5= Engineering =24 CP+ICT 15 CP= 39 CP\

Total= Yr 1+2 90CP+ Yr 3+4=84CP+ Yr 5= 39 CP=Total 213 CP

Bachelor of Engineering (Civil)

Year (3) Part 1 ADVANCED GENERAL CIVIL ENGINEERING DEGREE LEVEL

Subjects
BAE 401 Advanced Engineering Mathematics

BAE 402 Calculus		
BAE 403 Engineering Mechanics		
BAE 404 Engineering Materials & Thermodynamics		

	General Electrical Knowledge	3
ICT 302	Digital Electronics	3
ICT 303	Amplifier	3
ICT 304	Material Science	

BAE 508 Industrial Engineering & Industrial Management

Year (3) Part 2 ADVANCED GENERAL CIVIL ENGINEERING DEGREE LEVEL (18 Pt)

BAE421 Building Construction Engineering (4 pt)

BAE422 Estimating (2 pt)

BAE423 Fluid Mechanics (2 pt)

BAE424 Reinforced Concrete (2 pt)

BAE425 Timber Engineering (2 pt)

BAE521 Road & Bridge (2 pt)

BAE522 Rock Mechanics (2 pt)

BAE523 Soil Mechanics (2 pt)

BAE 523A Environmental Engineering

TOTAL 35 Pt

Year (4) Part 1

BAE 601 Computer Programming
BAE 605 Engineering Management
BAE 606 Building Service Electrical & Mechanical Engineering
ICT 401Advanced Mathematics 1

ICT 402Advanced Mathematics 2
ICT 305Professional Programming (1) C++

Year (4) Part 1

(12 Pt)

BAE621 Structural Engineering (3 pt)

BAE623 Surveying& Traffic Engineering (2 pt)

BAE624 Water Supply , Sanitation & Finishing (2 pt)

BAE 608 Engineering Competency Demonstration Report Writing (2pt)

SELF STUDY

BAE622 Architecture (3 pt)

Engineering 72 CP+ ICT =12 CP= 84 CP

Year 5

ICT 403	Professional Programming (2) Object Oriented	3
ICT 404	Professional Programming (3) Java	3
ICT 405	Professional Practice (1) Network	3
ICT 406	Professional Practice (2) Website	3
ICT 407	Artificial Intelligence	3

Year 5= Engineering =24 CP+ICT 15 CP= 39 CP\

Total= Yr 1+2 90CP+ Yr 3+4=84CP+ Yr 5= 39 CP=Total 213 CP

Bachelor of Engineering (Mechanical)

Year (3)

GENERAL APPLIED ENGINEERING (MECHANICAL)   DEGREE

Subjects
BAE 401 Advanced Engineering Mathematics
BAE 402 Calculus
BAE 403 Engineering Mechanics
BAE 404 Engineering Materials & Thermodynamics

	General Electrical Knowledge	3
ICT 302	Digital Electronics	3
ICT 303	Amplifier	3
ICT 304	Material Science	

BAE 507 Electro-mechanical Energy Conversion
BAE 508 Industrial Engineering & Industrial Management
BAE511 Air-conditioning & Refrigeration Part 1
BAE613 Mechanical Instrumentation Process
BAE614 Machine Design
BAE512 Building Service Water Supply System
BAE511 Air-conditioning & Refrigeration Part 2
BAE613 Mechanical Instrumentation Process
ICT 401Advanced Mathematics 1
ICT 402Advanced Mathematics 2
ICT 305Professional Programming (1) C++

Year (4) Part 1 BE (Mechanical + General Related Subjects)

BAE 601 Computer Programming
BAE 602 Computer Network
BAE 603 Software Engineering
BAE 605 Engineering Management
BAE 606 Building Service Electrical & Mechanical Engineering

Year (4) Part 2

Bachelor of Engineering (Mechanical) Specialization (13 pt)

BAE311 Plant Engineering (2 pt)

BAE312 Design Engineering (2 pt)

BAE313 Environmental Control (2 pt)

BAE314 Mechanical Power Generation (2 pt)

BAE315 Materials Engineering (2 pt) Part 1 Part 2

BAE 608 Engineering Competency Demonstration Report Writing (3 pt)

Elective (2 pt)

Subjects
BAE513 Production Technology
BAE611 Maintenance Engineering
BAE612 Engineering Metallurgy

Engineering 72 CP+ ICT =12 CP= 84 CP

Year 5

ICT 403	Professional Programming (2) Object Oriented	3
ICT 404	Professional Programming (3) Java	3
ICT 405	Professional Practice (1) Network	3
ICT 406	Professional Practice (2) Website	3
ICT 407	Artificial Intelligence	3

Year 5= Engineering =24 CP+ICT 15 CP= 39 CP\

Total= Yr 1+2 90CP+ Yr 3+4=84CP+ Yr 5= 39 CP=Total 213 CP

BE+BMgt

Year 1+2

Advanced Diploma in Engineering   60 credit+
Diploma in Management 30 credits concurrent study

Year 3+4

Bachelor of Engineering (Electrical)

YEAR 3 +4

Subjects
BAE 401 Advanced Engineering Mathematics
BAE 402 Calculus
BAE 403 Engineering Mechanics
BAE 404 Engineering Materials & Thermodynamics
BAE 405 Advanced Circuit Analysis
BAE 406 Electro-mechanics
BAE 407 Advanced Electro-magnetics Field & Materials
BAE 408 Analogue & Digital Electronics   **MANAGEMENT**   Mgt 301   Electronics Business   Mgt 302   Information Security

BAE 501 Advanced Power Systems & Power Transmission Networks
BAE 502 Linear System
BAE 503 Control System
BAE 504 Power System Analysis
BAE 505 Power System Optimization
BAE 506 Power System Stability & Protection
BAE 507 Electro-mechanical Energy Conversion
BAE 508 Industrial Engineering & Industrial Management ## MANAGEMENT Mgt 303   Management Information System   Mgt 304   Electronics Commerce   Mgt 305   Quantitative Methods for Management
BAE 601 Computer Programming
BAE 602 Computer Network
BAE 603 Software Engineering
BAE 604 Telecommunication Engineering
BAE 605 Engineering Management
BAE 606 Building Service Electrical & Mechanical Engineering
BAE 607 Radio Wave Propagation & Microwave Techniques
BAE 608 Professional Engineer Competency Demonstration Report

MANAGEMENT

Mgt 306   Human Resources Management

Mgt 307   Marketing Management

Mgt 308   Artificial Intelligence

Yr 3+4Total Engineering = 72 CP+ Management=24 cp= 96 cp

Total Credit points= 90cp (Yr 1+2)+ 96 cp (Yr 3+4+5)= 186 cp

Bachelor of Engineering (Civil)

Year (3) Part 1 ADVANCED GENERAL CIVIL ENGINEERING DEGREE LEVEL

Subjects
BAE 401 Advanced Engineering Mathematics
BAE 402 Calculus
BAE 403 Engineering Mechanics
BAE 404 Engineering Materials & Thermodynamics
BAE 508 Industrial Engineering & Industrial Management

MANAGEMENT

Mgt 301   Electronics Business

Mgt 302   Information Security

Year (3) Part 2 ADVANCED GENERAL CIVIL ENGINEERING DEGREE LEVEL (18 Pt)

BAE421 Building Construction Engineering (4 pt)

BAE422 Estimating (2 pt)

BAE423 Fluid Mechanics (2 pt)

BAE424 Reinforced Concrete (2 pt)

BAE425 Timber Engineering (2 pt)

BAE521 Road & Bridge (2 pt)

BAE522 Rock Mechanics (2 pt)

BAE523 Soil Mechanics (2 pt)

BAE 523A Environmental Engineering

MANAGEMENT

Mgt 303   Management Information System

Mgt 304   Electronics Commerce

Mgt 305   Quantitative Methods for Management

TOTAL 35 Pt

Year (4) Part 1

BAE 601 Computer Programming
BAE 605 Engineering Management
BAE 606 Building Service Electrical & Mechanical Engineering
BAE 609 Design Project
Total Credit points in this group

Year (4) Part 1

(12 Pt)

BAE621 Structural Engineering (3 pt)

BAE623 Surveying& Traffic Engineering (2 pt)

BAE624 Water Supply , Sanitation & Finishing (2 pt)

BAE 608 Engineering Competency Demonstration Report Writing (2pt)

SELF STUDY

BAE622 Architecture (3 pt)

MANAGEMENT

Mgt 306   Human Resources Management

Mgt 307   Marketing Management

Mgt 308   Artificial Intelligence

Yr 3+4Total Engineering = 72 CP+ Management=24 cp= 96 cp

Total Credit points= 90cp (Yr 1+2)+ 96 cp (Yr 3+4+5)= 186 cp

Bachelor of Engineering (Mechanical)

Year (3)

GENERAL APPLIED ENGINEERING (MECHANICAL)   DEGREE

Subjects
BAE 401 Advanced Engineering Mathematics
BAE 402 Calculus
BAE 403 Engineering Mechanics
BAE 404 Engineering Materials & Thermodynamics
BAE 507 Electro-mechanical Energy Conversion
BAE 508 Industrial Engineering & Industrial Management
BAE511 Air-conditioning & Refrigeration Part 1
BAE613 Mechanical Instrumentation Process
BAE614 Machine Design
BAE512 Building Service Water Supply System
BAE511 Air-conditioning & Refrigeration Part 2
BAE613 Mechanical Instrumentation Process
 <mark>MANAGEMENT</mark> Mgt 301   Electronics Business   Mgt 302   Information Security

Year (4) Part 1 BE (Mechanical + General Related Subjects)

BAE 601 Computer Programming

BAE 602 Computer Network
BAE 603 Software Engineering
BAE 605 Engineering Management
BAE 606 Building Service Electrical & Mechanical Engineering

MANAGEMENT

Mgt 303   Management Information System

Mgt 304   Electronics Commerce

Mgt 305   Quantitative Methods for Management

Year (4) Part 2

Bachelor of Engineering (Mechanical) Specialization (13 pt)

BAE311 Plant Engineering (2 pt)

BAE312 Design Engineering (2 pt)

BAE313 Environmental Control (2 pt)

BAE314 Mechanical Power Generation (2 pt)

BAE315 Materials Engineering (2 pt) Part 1 Part 2

BAE 608 Engineering Competency Demonstration Report Writing (3 pt)

Elective (2 pt)

Subjects
BAE513 Production Technology
BAE611 Maintenance Engineering
BAE612 Engineering Metallurgy

MANAGEMENT

Mgt 306   Human Resources Management

Mgt 307   Marketing Management

Mgt 308   Artificial Intelligence

Yr 3+4Total Engineering = 72 CP+ Management=24 cp= 96 cp

Total Credit points= 90cp (Yr 1+2)+ 96 cp (Yr 3+4+5)= 186 cp

Certificate in Information Technology (Introductory Course)

	St Clements+Highlight IT Course	Australian ICA20105_R1 Training Package Certificate 2 in IT
	COMPULSORY UNITS	CORE UNITS
ICT 101	Information Technology Fundamentals + Workplace Evidences	ICAU2005B Operate computer hardware ICAU2231B Use computer operating system ICAW2001B Work effectively in an IT environment
ICT 102	Computer Applications and Operations + workplace evidences	BSBCMN106A Follow workplace safety procedures ICAD2012B Design organisational documents using computing packages ICAU2006B Operate computing packages ICAU2013B Integrate commercial computing packages ICAW2002B Communicate in the workplace
	Technical Report Presentation The candidate to provide customer interaction record at the workplace. It may include log book, work record etc The candidate will need to provide the report on which programs he or she installed at workplace & clients & highlight the significant things The candidate communicate with teacher via e-mail & browse the reference sites as directed by the teacher & retrieve the information	**Elective Units** ICAS2009B Interact with clients ICAS2016B Record client support requirements ICAI2015B Install software applications ICAS2008B Maintain inventories for equipment, software and documentation ICPMM263B Access and use the internet ICPMM32B Capture a digital image

St Clements+Highlight IT Course

Australian ICA20105_R1 Training Package Certificate 2 in IT

Certificate/ Diploma in Computer Aided Engineering

Dip CAE

Topics

- ETAB
- REVIT
- Auto CAD
- Smart Plant
- Staad
- CAD WROX
- ELECTRICAL CAD
- TEKLA
- CNC
- Master CAM
- CAM

Online Training

Diploma in Information Technology Course outline

ICT101	Information Technology Fundamentals	3	GC	ICAICT501A	Research and review hardware technology options for organisations	
ICT 102	Computer Applications and Operations	2	GC GC	ICASAS509A ICASAS503A	Provide client IT support services Perform systems tests	
ICT 103	Applied Programming	5	BAE601	GB	ICAPRG523A	Apply advanced programming skills in another language
ICT 104	Program Project	5	BAE601	GB GC GD GG	ICAPRG502A ICAICT510A ICAWEB507A CAPMG501A	Manage a project using software management tools Determine appropriate IT strategies and solutions Customise a complex IT content management system Manage IT projects
ICT 105	Systems Analysis and Programs	5	BAE603	Core GC	ICAICT509A ICAICT502A	Gather data to identify business requirements Develop detailed component specifications from project specifications
Core			ICAICT511A	Match IT needs with the strategic direction of the enterprise		
ICT 106	Software Engineering	5	BAE603	GB	ICAPRG502A	Manage a project using software management tools
GB			ICAPRG510A	Maintain custom software		
GB			ICAPRG512A	Prepare for the build phase of an IT system		
ICT 107	Business Information Systems	5	GA	ICANWK501A	Plan, implement and test enterprise communication solutions	

WORK PERFORMANCE

Task 1	Provide the OHS Procedure in workplace	Core	BSBOHS509A	Ensure a safe workplace	
Task 2	Provide the procedure to maintain the IT equipments in	Core	BSBSUS501A	Develop workplace policy and procedures for sustainability	

	workplace			
Task 3	Take the record of sound & picture from an event	GE	ICAGAM504A	Manage interactive media production
Task 4	Take the digital video by using digital camera & edit/ convert to other formats by provided software	GF	CADMT501A	Incorporate and edit digital video

Diploma in Telecommunication Engineering

Theory to be assessed	Self study advanced practical
BAE607 Radio Wave Propagation & Micro Wave Technique	DTE306 Wireless Communication DTE307 Satellite Communication
EE625 Advanced Radio Wave Propagation	DTE302 Photonics DTE306 Wireless Communication
EE626 Advanced Microwave Technique	DTE305 Optical Communication
BAE604 Telecommunication Engineering	DTE303 Telecommunication Engineering DTE310 Customer Premise Installations
EE525 Data Communication	DTE301 Network Management DTE304 TCP/IP
EE603 Electronic Communication Principle	DTE308 Mobile Communication DTE309 VOIP DTE311 OFDM/CDMA DET312 SDH/SONET

Graduate Diploma of Engineering Practice (Computer Control Engineering)

This one year course with 30 credit points trains the BCSc & BCTech graduates and final year students to work as computer control system technicians and engineers in various industries. It consists of electrical engineering units, electronic engineering units, analogue and digital principles, process control system, programmable control, computer aided control and instrumentation, linear system and modern control system units.

Pre-requisites

BCSc or BC Tech , Final years

Contents

Group (1)	Group (2)
EE101 DC Circuit Problems EE103 Basic Electrical Drafting EE107 Electrical Equipments EE109 Electrical Control Circuits EE112 Alternating Current Principle EE113 Electrical Fundamental EE206 AC Machines EE207 DC Machines EE202 Electrical Circuits	EE115 Basic Analogue and Digital Electronics EE121 Electronic Power Control Devices EE208 Operational Amplifier EE209 Analogue Electronics EE301 Advanced Electrical Drafting EE117 Solar Electrical System
The students study the power points containing the explanations in English + Myanmar Languages, do & submit theoretical & simulated practicals. Tutoring support by electronics teachers.	The students study the power points containing the explanations in English + Myanmar Languages, do & submit theoretical & simulated practicals. Tutoring support by electronics teachers.

The students who successfully complete Group 1 & 2 will receive Graduate Certificate in Engineering Practice (Electrical & Electronic)

Group (3)	Group (4) University post graduate level
ME203 Control Engineering ME534 Numerical Control ME434 Mechatronics and Robotics EE624 Process Control ME302 Automation & Robotics	BAE408 Analogue and Digital Electronics BAE502 Linear System BAE503 Control System
The students study the power points containing the explanations in English + Myanmar Languages, Study the text books in Myanmar language & enrich the knowledge by reading the references in English Do & submit theoretical & simulated practicals. Tutoring support by electronics teachers.	The students study the power points containing the explanations in English + Myanmar Languages, do & submit theoretical & simulated practicals. Tutoring support by electronics teachers.

The students who successfully complete Group 3& 4 will receive Graduate Diploma of Engineering Practice (Computer Control Engineering)

IQY Diploma in Doctorate Studies is an academic award consisting of Research Studies and Writing Thesis Dissertation at 360 Credit points in which 240 Credit points are allocated for Masters Degree level academic qualifications and / or comparable professional experiences.

The candidates who have completed MAE 601 Research Method (30 Points)

and their thesis proposal are accepted will be awarded IQY Master Diploma in Research Studies (270 Credit Points).

The candidates who have completed MAE602 Thesis (30 Points) but have not submitted it to St Clements University will be awarded IQY Diploma in Doctorate Studies (300 Credit Points)

Only St Clements University will confer the Doctoral Degree while IQY Technical College will provide the facilitation and successful candidates will be issued with BAE801 Thesis Dissertation Assessment and Defence (60 Points) when the success is notified by St Clements University.

In the case of failure to meet the quality of dissertation, St Clements University's Diploma in Doctorate Studies or other relevant award can be issued and Doctorate degree award fees will not be charged.

IQY Technical College will issue Letter of Congratulation for having been successful in PhD.

Doctoral Research Studies

IQY Master Diploma in Research Studies

http://www.highlightcomputer.com/iQYDDS.pdf

Dissertation for Doctorate

MAE 601 Research Method (30 Points)

MAE602 Thesis (30 Points)

http://www.filefactory.com/file/1l1r1k0ftawt/n/11.Research+Thesis_(ICT_605).zip

BAE801 Thesis Dissertation Assessment and Defence (60 Points)

MAE601 Research Method

This course guides the student, step by step, through the research process, from problem selection through writing up results. It provides all of the basics necessary to complete a research project in any discipline.

Outline. The following aspects are reflected in this course:

What is research?

Tools of research

The problem: the heart of the research process

Review of the related literature

Planning your research design

Writing the research proposal

Qualitative research

Historical research

Descriptive research

Experimental and causal - comparative designs

Statistical techniques for analyzing quantitative data

Technical details: style, format, and organization of the research report

Doctoral Research Proposal

Synopsis: Research students are expected to present a written research proposal within three months after commencement. The proposal is handed in to the study leader.

Assessors of this proposal are selected by the faculty for their understanding of the field and the research involved. The purpose of a research is to set out a plan for conducting the research and writing the dissertation within the available time. It should take account of the availability and guidance of the study leader.

The starting point for a research proposal is the topic, which is the field of interest in which the research is to be carried out. In introducing the topic, the proposal should clarify the field that it falls into and the specific part that field which the research will explore.

It should clarify why the topic is of interest and importance, and how the proposed research will contribute to the filed of knowledge or profession. The proposal should clarify the research questions, ensuring that these are specific and answerable.

It is important to show how these questions relate to the topic are, and how they will advance the student's contribution. The proposal should detail the research to be carried out, and clarify the research methods, the timeframe and the reasons for selecting particular methods.

Where a period of literature review or research should precede any empirical research, this should be factored in as part of the research. It is important to estimate any periods of field research and to flag their duration and cost in your research proposal.

MAE 602 Thesis

Thesis Dissertation for Doctorate

Candidates need to complete a 60000-words dissertation (in Myanmar or English) and a 3000-words executive portfolio (in English).

This program requires the candidates to complete a thesis as part of the assessment for the Doctorate

Doing a thesis / dissertation means that instead of knowledge and information being presented and following a prescribed route for answering questions, candidates are thrust into an active role of managing an investigation into a topic area. This means researching and

discovering things for themselves.

They will have to set their own targets and parameters, pose their own central research questions and decide on the appropriate sources of information to support the research. It therefore requires the use of the higher-level cognitive skills of analysis, synthesis and evaluation. Candidates may choose an area of particular interest to them within the scope of course title.

BAE801 Thesis Dissertation Assessment and Defence (60 Points)

Doctoral dissertation

A dissertation is an individual effort and the candidate, academic tutor and the course professor will work together on constructing an approved topic (research question) and methodologies.

Dissertation Defence for doctorate

It is expected of Doctoral candidates to defend their thesis by means of a colloquium (academic discussion). The purpose of the meeting is for the candidates to convince a panel of experts in the field of the dissertation how well they have done in the conducting of their research study and the preparation of their dissertation

Candidates need to complete all course assessments with the results of Grade B+ or above.

Master of Information Technology

This degree is designed for the experienced professionals who wish the develop their skills and knowledge as Information Technology professionals.

Graduate Diploma in Information Technology

Compulsory Modules
ICT 501 Programming in Visual C++ PLUS ICT 507 Visual Computing
ICT 502 Database Systems
ICT 503 Business System Development
ICT 504 Business Data Communications
ICT 505 Applied Computing I
ICT 506 Applied Computing II PLUS ICT 508 Object-Oriented Analysis & Design

Master of Science (Information Technology)
Electives

ICT 601 Programming in Java
ICT 602 E-Commerce
ICT 603 Software Engineering
ICT 604 Multimedia Systems
ICT 605 IT Management**Project/Thesis**

A written report between 10,000 – 12,000 words that covers both theory & practical knowledges of the above units.

To qualify for a MSc.IT degree, a student must take and pass 10 modules from the above list of modules, 6 modules are compulsory and the rest are electives.

Additionally, the student must undertake and pass a research-based or work-related project.

Professional Certificate in Medical Data System (Course Number-4889008)

Objective- To effectively manage data system in medical records

Pre-requisite- MBBS/ BDS/ B Pharm

Contents ICT409 Hospital Data System

- Hospital Data System (Reader)
- Database Management System for Hospital (Reader)

Videos

- Hospital Database Analysis Design
- Hospital Management System Data Entry
- Hospital website and appointment system
- Hospital Management System Doctor Log in
- Hospital Management System with PHP
- Hospital Management System in PHP

Part 1 - Practical Application Tutorials- Hospital Data System

Award- Professional Certificate in Medical Data System

An introduction about hospital Database

SQL [39 exercises with solution]

[*An editor is available at the bottom of the page to write and execute the scripts.*]

Sample Database: hospital

1. Write a query in SQL to find all the information of the nurses who are yet to be registered.

2. Write a query in SQL to find the name of the nurse who are the head of their department.

3. Write a query in SQL to obtain the name of the physicians who are the head of each department.

4. Write a query in SQL to count the number of patients who taken appointment with at least one physician

5. Write a query in SQL to find the floor and block where the room number 212 belongs to

6. Write a query in SQL to count the number available rooms

7. Write a query in SQL to count the number of unavailable rooms.

8. Write a query in SQL to obtain the name of the physician and the departments they are affiliated with

9. Write a query in SQL to obtain the name of the physicians who are trained for a special treatement

10. Write a query in SQL to obtain the name of the physicians with department who are yet to be affiliated

11. Write a query in SQL to obtain the name of the physicians who are not a specialized physician

12. Write a query in SQL to obtain the name of the patients with their physicians by whom they got their preliminary treatement

13. Write a query in SQL to find the name of the patients and the number of physicians they have taken appointment

14. Write a query in SQL to count number of unique patients who got an appointment for examination room C

15. Write a query in SQL to find the name of the patients and the number of the room where they have to go for their treatment

16. Write a query in SQL to find the name of the nurses and the room scheduled, where they will assist the physicians.

17. Write a query in SQL to find the name of the patients who taken the appointment on the 25th of April at 10 am, and also display their physician, assisting nurses and room no.

18. Write a query in SQL to find the name of patients and their physicians who does not require any assistance of a nurse

19. Write a query in SQL to find the name of the patients, their treating physicians and medication.

20. Write a query in SQL to find the name of the patients who taken an advanced appointment, and also display their physicians and medication

21. Write a query in SQL to find the name and medication for those patients who did not take any appointment

22. Write a query in SQL to count the number of available rooms in each block

23. Write a query in SQL to count the number of available rooms in each floor

24. Write a query in SQL to count the number of available rooms for each block in each floor.

25. Write a query in SQL to count the number of unavailable rooms for each block in each floor.

28. Write a query in SQL to obtain the name of the patients, their block, floor, and room number where they are admitted.

29. Write a query in SQL to obtain the nurses and the block where they are booked for attending the patients on call.

30. Write a query in SQL to make a report which will show -
a) name of the patient,
b) name of the physician who is treating him or her,
c) name of the nurse who is attending him or her,
d) which treatement is going on to the patient,
e) the date of release,
f) in which room the patient has admitted and which floor and block the room belongs to respectively.

31. Write a SQL query to obtain the names of all the physicians performed a medical procedure but they are not ceritifed to perform

32. Write a query in SQL to obtain the names of all the physicians, their procedure, date when the procedure was carried out and name of the patient on which procedure have been carried out but those physicians are not cetified for that procedure.

33. Write a query in SQL to obtain the name and position of all physicians who completed a medical procedure with certification after the date of expiration of their certificate

34. Write a query in SQL to obtain the name of all those physicians who completed a medical procedure with certification after the date of expiration of their certificate, their position, procedure they have done, date of procedure, name of the patient on which the procedure had been applied and the date when the certification expired

35. Write a query in SQL to obtain the names of all the nurses who have ever been on call for room 122.

36. Write a query in SQL to Obtain the names of all patients who has been prescribed some medication by his/her physician who has carried out primary care and the name of that physician

37. Write a query in SQL to obtain the names of all patients who has been undergone a procedure costing more than $5,000 and the name of that physician who has carried out primary care

38. Write a query in SQL to Obtain the names of all patients who had at least two appointment where the nurse who prepped the appointment was a registered nurse and the physician who has carried out primary care

39. Write a query in SQL to Obtain the names of all patients whose primary care is taken by a physician who is not the head of any department and name of that physician along with their primary care physician

Part (2) – My SQL General Studies (ICT410)

Award- Professional Certificate in Information Technology (MYSQL)

Lesson Videos

Introduction to My SQL

How to install My SQL in Windows 10

Full Course for beginner

Creating application by using MY SQL

My SQL Tutorial 1

My SQL Tutorials 2

My SQL Workbench Tutorial

Create Search System by using PHP

MySQLNotesForProfessionals

My SQL Tutorial

Software

My SQL Installer Web Community

My SQL Installer Community

Medical Data System

Part (3) – Graduate Certificate in Information Technology (Hospital Data System)
 (30 Credits)

- ICT409 Medical Data System (10 Credits)
- ICT410 MYSQL (10 Credits)
- ICT502 Data Base System (10 Credits)

Application
- Access
- STATA

Master of Science (Computer Network) (Each 10 credits) (70883)

Bachelor of Applied Science (Network)- 120 Credits

Master of Applied Science (Network)- 120 Credits

Total 240 credits

PART (1) Course Work in Graduate Diploma in Computer Network Level

(60 credits) (Each 10 credits)

ICTN701 APNET Content Management System

ICTN702 CISCO Certified Design Associate

ICTN703 CISCO Certified Network Associate

ICTN704 CISCO Firewall

ICTN705 CISCO LAN Switching Configuration

ICTN706 Computer Architecture and Security

PART (2) Course Work in Masters Level

(40 credits) (Each 10 credits)

Select 4 units

ICTN707 Computer Systems

ICTN708 Python Network Programming

ICTN709 Microsoft.NET Framework

ICTN710 Enterprise Network Monitoring

ICTN711 Parallel Computer Architecture

ICTN712 Cloud Computing

The students will have to write 20 pages study report for each of the subjects outlined below.

The report needs to include

• Book review- Review on each chapter of the book highlighting the key concepts, key points, key theory & practical application concepts in IT.

• Own idea on how to apply those concepts in real practical applications.

• Examples of IT system designs that use the concepts & knowledge expressed in those books (If any)

• Your comment on each book
Master of Applied Science Work Example

http://www.iqytechnicalcollege.com/Master Diploma in Information Technology-Worked Sample Report on IT Topics.pdf

PART (3) Master Project in Computer Network
<mark>(20 credits)</mark>
The candidate needs to write the project report for one topic mutually selected by the candidate and supervisor

REPORT GUIDE
http://www.mongroupsydney1.com/Report.pdf

Part (4) Master of Engineering (Computer Network) (70884)

Complete the following units after completion of Master of Applied Science (Computer Network) Each 10 credits

BAE 702 Engineering Management

BAE 703 Leadership & Human Resources Management

BAE 704 Risk Management & Industrial Safety

BAE 705 Engineering Competency Development

BAE 706 Engineering Report Writing

BAE 707 Engineering Ethics

Total Credits 320 Credits