

IQY Technical College/ IQY Degree College/IPEMTU Degree College Programs

[Engineering](#)

[Information Technology](#)

[Management](#)

[Teacher Education](#)

[Vocational Education & Basic Education](#)

[BSc \(Maths/Physics/Chemistry\) with Vocational Studies](#)

[Humanities](#)

[Law](#)

[Fitness and Language](#)

[All Programs](#)

Click the following link to view the updated courses

<http://iqycoursesupdate.blogspot.com.au/>

VIDEO (MYANMAR) FOR THE OFFERED COURSES

<http://www.iqytechnicalcollege.com/IQYIPEMCourseInformation.htm>

[IQY Technical College Programs and Career](#)

[IQY Career Flow and Entry Table](#)

[IQY Courses and Award Systems and Recognition](#)

This table shows only Technical, Vocational, Engineering, Information Technology and Management studies.

All IQY Diploma programs require Year 12 or equivalent educational qualifications.

The students will need to do Year 9 to 12 studies in General Education before attending IQY Diploma Programs at Year 1

<http://www.highlightcomputer.com/y712lessons.htm>

In some cases , the relevant General Education programs can be concurrently undertaken together with IQY Diploma Programs so that **Certificate in Tertiary Preparation (Year 11+12)** can be embedded and the mode of the studies will be based on the needs of individual students. Generally after Year 12,

Diploma(Year1),Advanced Diploma (Year 2) and Bachelors Degree (Year 3 and 4) in line with international standards.

According to Myanmar Education system, to complete BE degree, including Year 11+12, total 6 Years will need to be spent to study by the students with Year 10 Qualifications.

[Mapping Australian Certificate in Tertiary Preparation Course to IQY Certificate in Tertiary Preparation Course](#)

The students of all IQY Advanced Diploma in Engineering (Electrical, Mechanical,Civil), Information Technology and Management Courses have also completed the following Skills Training Subjects (GE-General Engineering, IE-Intermediate Engineering) which are mapped to Australian Training Packages

IQY Advanced Diploma	Skills Training Subjects	Australian Training Package Units
Electrical Engineering	Advanced Diploma in Electrical Engineering Skills Training (GE+IE) Units Link	Skills Training Subjects (GE+IE) Subjects linked to Australian Electro-technology Training Package Units Australian Electro-technology Training Package

Civil Engineering	Advanced Diploma in Civil Engineering Skills Training (GE+IE) Units Link	Skills Training Subjects (GE+IE) Subjects linked to Australian Construction Training Package Units Australian Construction Training Package
Mechanical Engineering	Advanced Diploma in Mechanical Engineering Skills Training (GE+IE) Units Link	Skills Training Subjects (GE+IE) Subjects linked to Australian Metal and Engineering Training Package Units Australian Metal and Engineering Training Package
Information Technology	IQY Diploma in Information Technology is mapped to Australian Diploma in Information Technology IQY Advanced Diploma in Information Technology is	Australian Information Technology Training Package Units Australian Information Technology Training Package

	<u>mapped to Australian Diploma in Information Technology</u>	
Management	<u>IQY Advanced Diploma in Management is mapped to Australian Advanced Diploma in Management</u> <u>IQY Diploma in Management is mapped to Australian Diploma in Management</u> <u>IQY Diploma in Business is mapped to Australian Diploma in Business</u>	<u>Australian Management Training Package Units</u> <u>Australian Management Training Package 1</u> <u>Australian Management Training Package 2</u>

For all other courses, specific advice will be provided individually.

Course objectives, detailed contents and curriculums are provided for Commercial Programs of IQY Technical College+IQY Degree College+IPEMTU Degree College

Commercial Programs are

Engineering
Information Technology
Management

For the other non profit focused programs, Course Objectives and Course Outline can be viewed in respective course documents under Offered Courses Menu

<http://www.iqytechnicalcollege.com/offeredcourses.htm>

Some Diploma Programs can be offered as Free Courses but Non Commercial fees need to be paid for all degrees.

Non Commercial Programs are

Teacher Education
Vocational Education
Mathematics and Science Degrees
Humanities

Course Objectives and Course Outline of Law Program can be viewed in respective course documents under Offered Courses Menu

<http://www.iqytechnicalcollege.com/offeredcourses.htm>

Law Program is Mixture of Commercial and Non Commercial Programs
LLM is offered in both Commercial Mode and Non Commercial Mode. Other Law Programs and Human Rights are offered by Non Commercial Mode.

[Course Objectives of Diploma+ Advanced Diploma +Professional Diploma Programs](#)

[Detailed Contents of BE,B Bus& B App Sc \(IT\) Programs](#)

[Detailed Contents of Diploma + Advanced Diploma in Engineering, IT , Management & Business Programs](#)

[Full Curriculum of Professional Diploma in Engineering Programs](#)

[Course Objectives and Detailed Contents of the other programs](#)

[IQY Technical College +IPEM Technological University Handbook](#)

[IQY Technical College Course Handbook Myanmar Version](#)

[IQYSIETIPEMSCPU Handbook](#)

ALL COURSES

www.iqytechnicalcollege.com/AllCourses.pdf

Handbook Updates

[IQY Handbook 2020 Supplement Update](#)

[Diploma in Work Studies \(106689\)/ Advanced Diploma in Work Studies \(206689\) / Bachelor of Work Studies/ Bachelor of Occupation Studies \(406689\)](#)

[Bachelor of Work Studies \(Vocational\) in Myanmar Language](#)

[Bachelor of Work Studies in Vocational Studies \(456678A/556678A\)](#)

[LLM Curriculum \(7766553\)](#)

[Diploma/Advanced Diploma in Legal Studies \(Myanmar Law/International Law\) 2133456/3133456 \(IQY\)](#)

[Bachelor of Business Administration \(Legal System\) \(4133456\)](#)

[Bachelor of Law \(BL\) \(4233456\)](#)

[Master of Engineering Legal Practice \(7766554\)](#)

[Master of Law \(Medico Legal Studies\)\(7766555\)](#)

www.iqytechnicalcollege.com/Language1.pdf

International Vocational Education Courses

www.iqytechnicalcollege.com/ivtc.htm

Diploma in Work Studies/ Advanced Diploma in Work Studies/ Bachelor of Work Studies

This course is structured as linking Skills Recognition and Bridging of work experiences and training in vocational practice other than engineering to academic qualifications at Diploma/ Advanced Diploma and Bachelors degree levels.

This course is prepared and taught by IQY Technical College/ Myanmar Vocational Training Collaboration/ STC Technological University and St Clements University Myanmar College.

အင်ဂျင်နီယာလုပ်ငန်းမဟုတ်သောအခြားအသက်မွေးဝမ်းကျောင်းအလုပ်အတွေ့ အကြုံနှင့်လေ့ကျင့်သင်ကြားမှုများကိုအထက်တန်းပညာရေးနှင့်တက္ကသိုလ်ပညာရေးပူးပေါင်းပြီး Diploma/ Advanced Diploma/ Bachelors သို့ များရရှိစေရန် IQY Technical College/ Myanmar Vocational Training Collaboration/ STC Technological University/ St Clements University Myanmar College တို့က စီစဉ်သင်ကြားသည်။

Diploma in Work Studies (30 credits)

Outcome

On completion of this course, the candidates will be able to effectively provide vocational work services to the customers.

ဤသင်တန်းပြီးပါကစားသုံးသူတို့ ကိုလိုအပ်သောအလုပ်များလုပ်ပေးနိုင်မည်။

Course Structure (သင်ရိုးဖွဲ့ စည်းပုံ)

It consists of compulsory work-based unit and elective units

WS101 Vocational Studies (10 credits)

- Vocational Experience and/ or completion of Vocational Training and studies at other schools and training centres

WS102 Safety Training (5 credits)

WS103 English (5 credits)

WS104 Myanmar Vocational Training Certificate (10 credits)

Optional

WS105 Myanmar

Advanced Diploma in Work Studies (30 credits)

Outcome

On completion of this course, the candidates will be able to effectively organize and manage the services needed by the customers.

ဤသင်တန်းပြီးပါကစားသုံးသူတို့ ကိုလိုအပ်သောအလုပ်များလုပ်ပေးသောလုပ်ငန်းကိုထိရောက်စွာ စီမံခန့်ခွဲနိုင်မည်။

Course Structure

It consists of credit transfer from Diploma in Work Studies, compulsory work-based unit and compulsory theory studies units.

Credit Transfer Completion of Diploma in Work Studies (30 Credit Points)

Mgt 101 Management (5 Credit points)

Mgt 201 Customer Service Management (5 Credit points)

Mgt 203 Inventory & Budget Management (5 Credit points)

Mgt 208 Safety Management (5 Credit points)

Mgt 211 Leadership in Humanitarian Works (5 Credit points)

WS 201 Business Plan and Work Record (5 Credit points)

Total Credits = 60 (5 Credit points)

Bachelor of Work Studies (60 credits)

Outcome

On completion of this course, the candidates will be able to effectively set up the strategic tasks and judge the nature of humanities services needed by the customers

ဤသင်တန်းပြီးပါကစားသုံးသူတို့ ကိုလိုအပ်သောအလုပ်များလုပ်ပေးသောလုပ်ငန်းကိုထိရောက်စွာ စီမံခန့်ခွဲနိုင်မည်သာမကလုပ်ငန်းမဟာဗျူဟာချမှတ်ရန်ခြံ့ချိန်ကြံဆွမ်းရည်လဲရရှိမည်။

Course Structure

It consists of credit transfer from Advanced Diploma in work Studies, compulsory self study unit compulsory theory studies units and a Work based project

Credit transfer

Completion of Diploma in Work Studies (60 Credit Points)

Subjects

(English Notes+ Myanmar Explanation)

ED 431-Critical Thinking (10 Credits)

Mgt 303 Management Information System (10 Credits)

Mgt 306 Human Resources Management (10 Credits)

Mgt302 Information Security (10 Credits)

Mgt 307 Marketing Management (10 Credits)

(English)

BWS 401 Advanced Work Studies (Individualized Unit) (10 Credits)

Total Credits 120

Sample Structure (သင်ရိုးဖွဲ့ စည်းပုံနမူနာ)

Garment Factory Worker (အထည်ချုပ်လုပ်ငန်းအလုပ်သမားသို့ မဟုတ်အထည်ချုပ်သင်တန်းဆင်းသူ)

WS101 Vocational Studies (10 credits)

By submitting work experience or Certificate issued by other training school, WS101 will be given credits

အလုပ်အတွေ့ အကြုံတင်ပြခြင်းသို့ မဟုတ်အခြားသင်တန်းဆင်းလက်မှတ်တင်ပြခြင်းဖြင့်

WS101 Vocational Studies (10 credits)ရရှိမည်။

Study at IQY (အောက်ပါတို့ ကို IQY တွင်တက်ရန်

WS102 Safety Training (5 credits), WS103 English (5 credits)

WS104 Myanmar Vocational Training Certificate (10 credits)

ပြီးစီးပါက Diploma in Work Studies (Garment) ရရှိပြီး Advanced Diploma/ Bachelors

Degree ဆက်တက်နိုင်မည်။ When completed, Diploma in Work Studies (Garment) will

be awarded and then can proceed to Advanced Diploma in Work Studies (Garment) and Bachelor of Work Studies (Garment).

WS104 Myanmar Vocational Training Certificate (10 credits)

CERTIFICATE IN AGRICULTURE FOOD PRODUCTION (MVTC201)

CERTIFICATE IN ANIMALS HANDLING (MVTC202)

CERTIFICATE IN BUSINESS (MVTC203)

CERTIFICATE IN LABORATORY WATER OPERATIONS (MVTC204)

CERTIFICATE IN COMMUNITY SERVICE (MVTC205)

CERTIFICATE IN PROPERTIES SERVICES (MVTC206)

CERTIFICATE IN PERFORMING (MVTC207)

CERTIFICATE IN PUBLIC SAFETY (MVTC208)

CERTIFICATE IN LOGISTICS (MVTC209)

As Myanmar Vocational Training Certificate is designed with the study resources for the above vocational areas, the workers who are working in other vocational areas can study ADEMC203-Design and Technology (Year 12 Level) Subjects as tertiary preparation.

မြန်မာ့အသက်မွေးဝမ်းကျောင်းပညာလေ့ကျင့်ရေးလက်မှတ်ကိုအထက်ပါလုပ်ငန်းများအတွက်စီစဉ်ထားသည့်အဆိုပါဘာသာများသည်အလုပ်နှင့်မသက်ဆိုင်ပါက ADEMC203-Design and Technology (Year 12 Level) ကိုအထက်တန်းပညာရေးပေါင်းကူးအဖြစ်သင်နိုင်သည်။



Phoe Phyu School of Law

Curriculum for Master of Law (LL.M)

LL.M in International Trade Law

Core Modules

1. Law of the World Trade Organization and Human Rights Instruments(LLM713)
2. International Competition and Consumer Rights Law(LLM715)
3. International Commercial Dispute Resolution and Litigation(LLM717)
4. International Sale of Goods(LLM722)
5. International Carriage of Goods (LLM712)
6. Legal Research Skill and Methods, and Dissertation (MAE602)

Optional Modules

1. Technology and Cyber Law (LLM718)
2. Intellectual Property Law(LLM719)
3. Private International Law(LLM730)

LL.M in International Commercial Law

Core Module

1. Foundation of International Commercial Law and Human Rights Instruments (LLM715)
2. International Competition and Consumer Rights Law(LLM720)
3. International Commercial Dispute Resolution and Litigation(LLM717)
4. Principles of International Commercial Contracts(LLM721)
5. International Commercial Payments(LLM722)
6. Legal Research Skill and Methods, and Dissertation (MAE602)

Optional Modules

1. Technology and Cyber LawLaw (LLM718)
2. Intellectual Property Law(LLM719)
3. Private International Law(LLM730)



Phoe Phyu School of Law

LL.M in International Business Law

Core Module

1. Foundation of International Investment Law and Human Rights Instruments (LLM715)
2. International Competition and Consumer Rights Law(LLM720)
3. International Commercial Dispute Resolution and Litigation(LLM717)
4. Principles of International Commercial Contracts and Payments(LLM722)
5. Comparative Company Laws and Corporate Governance (LLM724)
6. Legal Research Skill and Methods, and Dissertation (MAE602)

Optional Modules

1. Technology and Cyber Law (LLM718)
2. Intellectual Property Law(LLM719)
3. Private International Law (LLM730)

LL.M in Real Estate Law and Human Rights Legal Practice

Core Module

1. Principles of Real Estate Law and Human Rights Instruments(LLM733)
2. Civil Laws and Civil Procedure Law(LLM730)
3. Lower & Upper Burma Land and Revenue Law(LLM735MY)
4. Town & Village Land Law and Farm Land & Virgin Land Law(LLM736MY)
5. Principles of Law of Acquisitions(LLM737MY)
6. Legal Research Skill and Methods, and Dissertation(MAE602)

Optional Modules

1. Technology and Cyber Law(LLM718)
2. Business Law (LLM719)
3. Private International Law(LLM730)



Phoe Phyu School of Law

LL.M in Strategic litigation Management and Court Practice

Core Module

1. Principles of Legal Professional Responsibilities and Human Rights Instruments(LLM732)
2. Civil Laws and Civil Procedure Law(LLM730)
3. Criminal Laws and Criminal Procedure Law (LLM738MY)
4. Principles of Law of Torts (LLM739MY)
5. Principles of Law of Evidence (LLM740MY)
6. Legal Research Skill and Methods, and Dissertation (MAE602)

Optional Modules

1. Technology and Cyber Law (LLM718)
2. Business Law (LLM719)
3. Private International Law(LLM730)

နိုင်ငံတကာအသိအမှတ်ပြုဥပဒေမဟာဘွဲ့နှင့်မဟာဒီပလိုမာတို့ကိုဖိုးဖြူဥပဒေကျောင်းမှအောက်ပါတက္ကသိုလ်များနှင့်ပူးတွဲချီးမြှင့်မည်။

တက္ကသိုလ်များနှင့်ပူးတွဲချီးမြှင့်မည်။

(၁) IQY နည်းပညာကောလိပ်

(သြစတြေးလျအစိုးရ၏သြစတြေးလျလုံခြုံရေးနှင့်ရင်းနှီးမြှုပ်နှံမှုကော်မရှင်တွင်မှတ်ပုံတင်ထားပါသည်)

(၂) အသင်း ၀ င်အပြည်ပြည်ဆိုင်ရာဥပဒေကျောင်းများအသင်း

(ကမ္ဘာတက္ကသိုလ်များနှင့်ဥပဒေကျောင်းများအတွက်အကြီးမားဆုံးပရော်ဖက်ရှင်နယ်အသင်း)

(၃) STC နည်းပညာတက္ကသိုလ်

(အပြည်ပြည်ဆိုင်ရာပညာရှင်အင်ဂျင်နီယာများအသင်းမှအသိအမှတ်ပြုပြီး၊ British West Indies တွင်မှတ်ပုံတင်ထားပါသည်)



Phoe Phyu School of Law

(၄) မြန်မာနိုင်ငံ၏ကျွမ်းကျင်သောအင်ဂျင်နီယာများအသင်း (ဩစတြေးလျ NSW အစိုးရပရော်ဖက်ရှင်နယ်အသင်းအဖြစ်မှတ်ပုံတင်ထားသည်၊ အပြည်ပြည်ဆိုင်ရာအင်ဂျင်နီယာပညာရေးအသင်းချုပ်တွင်အသင်း ဝင်ဖြစ်သည်)

•ထို့အပြင်၊ နောက်ထပ် LLM ဘွဲ့ကိုလည်း AAHEA

(အမေရိကန်အဆင့်မြင့်ပညာရေးအသိအမှတ်ပြုဆိုင်ရာအမေရိကန်အသင်း)

မှအသိအမှတ်ပြုထားသောစိန့်ကလီမန်တက်ကောလိပ်မှ SCPU စီးပွားရေးကျောင်းမှလည်းချီးမြှင့်မည်။

Internationally Recognized Law Masters degree and Master Diploma will be conferred by Phye Phye School of Law as a joint award by the following universities

- (1) IQY Technical College (Registered with Australian Security and Investment Commission of Australian Government)
 - (2) Member School of International Association of Law Schools (The Largest Professional Association for Law Universities and Law Schools of the World.)
 - (3) STC Technological University (Accredited by The Society of Professional Engineers International and Registered in British West Indies)
 - (4) The Institution of Professional Engineers Myanmar (Registered as Incorporated Professional Association with NSW Government of Australia and Member of International Federation of Engineering Education Societies)
- In addition, another LLM degree will also be awarded by SCPU School of Business of St Clements University accredited by AAHEA (American Association for Higher Education Accreditation)



Phoe Phyu School of Law

Bachelor of Science (Maths/Physics/Chemistry) with Vocational Studies

Unicode

အစဉ်အလာရှိသည့်၊ ရူပဗေဒ၊ ဓာတုဗေဒဘာသာရပ်များအား BSc (သင်္ချာ / ရူပဗေဒ / ဓာတုဗေဒ)

ဘွဲ့ရရှိရန်အတွက်အသက်မွေး ၀ မ်းကျောင်းဘာသာရပ်များတွဲဖက်၍သင်ကြားနိုင်သည်။

ကျောင်းသားများသည်အလယ်အလတ်သိပ္ပံဘာသာရပ်ဒီပလိုမာတွင်ပထမဆုံးသင်ကြားပြီး BSc

သင်တန်းကိုဆက်တက်မည်ဖြစ်သည်။

IQY ဒီဂရီကောလိပ်နှင့်တိုက်ရိုက်အွန်လိုင်းပညာသင်ကြားရန်မှာ ၁၀၀၀၀၀ ကျပ်ဖြစ်သည်။

အခြားပညာရေးအဖွဲ့များနှင့်ကျောင်းများသည် IQY ဒီဂရီကောလိပ်နှင့် ပူးပေါင်း၍ အစီအစဉ်ကိုသင်ကြားနိုင်သည်။

ထိုအဖွဲ့များမှအပိုဆောင်းအခကြေးငွေများပေးနိုင်ပါသည်။

Bachelor of Education Course ကိုတက်ရောက်လိုသောကျောင်းသားများအနေဖြင့်လည်း BSc

သင်တန်းကိုအပိုထပ်ဆောင်းအခမဲ့ပေးတက်နိုင်ပါသည်။

စုံစမ်းရန်/Enquiry

<http://www.iqytechnicalcollege.com/contact1.htm>

စာရင်းသွင်းရန်/ Enrolment

<https://www.emailmeform.com/builder/form/17R43w4uffLma2JArh>

Tick BSc Maths/Physics/Chemistry OR BSc(Maths) or BSc(Physics) or BSc(Physics/Chemistry)



English

Traditional subjects Mathematics, Physics, Chemistry can be studied with Vocational Subjects to get BSc (Maths/Physics/Chemistry) degrees.

The students will firstly study the Diploma in Intermediate Science then will continue BSc course.

The fees for direct online study with IQY Degree College is Kyats 100000.

Other education groups and schools can collaborate with IQY Degree College to teach the program.

Additional fees can be charged by those groups.

The students who want to attend Bachelor of Education Course can also attend BSc course at no extra fees.

Bachelor of Science (Maths/Physics/Chemistry) with Vocational Studies (49980)

The Bachelor of Science gives students a solid foundation in scientific knowledge and practice while allowing them to specialise in an area of interest.

Students study the Bachelor of Science to broaden their depth of knowledge, before specialising in a specific field.

Studying science provides an education for life. Training in multiple fields of science gives students transferable skills – a foundation of logical, analytical, critical thinking, teamwork and communication.

There are several disciplines studies in Science. At IQY Degree College, they are organized under the title of Work Studies to provide both theory and practical application of vocational studies.

- Bioinformatics-----Under Agri Foods
- Genetics-----Under Agri Foods
- Molecular and Cell Biology-----Under Agri Foods
- Biology-----Under Agri Foods
- Biotechnology-----Under Renewable Energy
- Food Science-----Under Agri Foods
- Geographical Studies----Under Civil Engineering
- Earth Science----Under Civil Engineering
- Immunology-----Under Agriculture
- Materials Science---Under Mechanical Engineering
- Microbiology-----Under Agri Foods
- Marine and Coastal Science---Under Marine Engineering

Year 12 Equivalent

Diploma in Intermediate Science (Dip ISc)

Year 1 (30 credits)

BS101-Degree Mathematics (6 credits)

BS102 -Degree Chemistry (6 credits)

BS103 Degree Physics (6 credits)

BS104 English (6 credits)

BS105 Myanmar (6 credits)

Year 2 (30 credits)

BS201 Differential Equations (5 credits)

BS202 Discrete Mathematics (5 credits)

BS203 Materials Chemistry (5 credits)

BS204 Engineering Physics 1 (5 credits)

BS205 English (5 credits)

BS206 Myanmar (5 credits)

Year 3 (30 credits)

BAE401 Advanced Engineering Mathematics (5 credits)

BAE402 Calculus (5 credits)

BS301 Physical Chemistry (5 credits)

BS302 Mass Transfer (5 credits)

BS303 Particle Mechanics (3 credits)

BS304 Chemical Process (2 credits)

BS305 Engineering Physics 2 (5 credits)

Year 4 Vocational Studies (30 credits)

Choose One Diploma in Work Studies Course

(2) အဆင့်မြင့်ဒီပလိုမာအတွက်လေ့လာရန် / To study for Advanced Diploma

Form 220 BWS 1 Sewing & Non Engineering Manufacturing

Form 221 BWS 2 Foods Service

Form 222 BWS 3 Children Service

Form 223 BWS 4 Aged Care

Form 224 BWS 5 Customer Service

Form 225 BWS 6 Safety Industry

Form 226 BWS 7 Transport Logistics

Form 227 BWS 8 Agri Foods Production

Form 228 BWS 9 Live Stock

Form 229 BWS 10 Sales and Marketing

Form 230 BWS 11 Properties Services
Form 231 BWS 12 Performing
Form 232 BWS 13 Water Services
Form 233 BWS 14 Textile Care
Form 234 BWS 15 Personal Services
Form 235 BWS 16 Asset Management
Form 236 BWS 17 Properties Maintenance
Form 237 BWS 18 Industry
Form 238 BWS 19 Clerk of Work
Form 239 BWS 20 Engineering Manufacturing / Printing
Form 240 BWS 21 Public Communication/postal/ Library
Form 241 BWS 22 Education Support
Form 242 BWS 23 Production and Industry
Form 243 Master of Professional Engineering (International)
Form 244 BWS 24 Visual Arts and Crafts
Form 245 BWS 24 Visual Arts and Crafts
Form 246 BWS 25 Screen Media

Bachelor of Science (Physics) with Vocational Studies (49981)

Physics is the study of the laws of nature that govern the behaviour of the universe, from the smallest sub-atomic particles to the universe itself. It applies these laws to the solution of practical and theoretical problems and to the development of new technologies.

Year 12 Equivalent

Diploma in Intermediate Science (Dip ISc)

Year 1 (30 credits)

BS101-Degree Mathematics (6 credits)

BS102 -Degree Chemistry (6 credits)

BS103 Degree Physics (6 credits)

BS104 English (6 credits)

BS105 Myanmar (6 credits)

Year 2 (30 credits)

BS201 Differential Equations (5 credits)

BS202 Discrete Mathematics (5 credits)

BS203 Materials Chemistry (5 credits)

BS204 Engineering Physics 1 (5 credits)

BS205 English (5 credits)

BS206 Myanmar (5 credits)

Year 3 (30 credits)

BS301 Analog and Digital Electronics 1(5 Credits)

BS302 Process Control (5 Credits)

BAE407 Electromagnetics (5 Credits)

BAE408 Analog and Digital Electronics 2 (5 Credits)

Vocational Studies (10 Credits)

Year 4 Vocational Studies (30 credits)

Choose One Diploma in Work Studies Course

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Form 227 BWS 8 Agri Foods Production

Form 228 BWS 9 Live Stock

Form 229 BWS 10 Sales and Marketing

Form 230 BWS 11 Properties Services

Form 231 BWS 12 Performing

Form 232 BWS 13 Water Services

Form 233 BWS 14 Textile Care

Form 234 BWS 15 Personal Services

Form 235 BWS 16 Asset Management

Form 236 BWS 17 Properties Maintenance

Form 237 BWS 18 Industry

Form 238 BWS 19 Clerk of Work

Form 239 BWS 20 Engineering Manufacturing / Printing

Form 240 BWS 21 Public Communication/postal/ Library

Form 241 BWS 22 Education Support

Form 242 BWS 23 Production and Industry

Form 243 Master of Professional Engineering (International)

Form 244 BWS 24 Visual Arts and Crafts

Form 245 BWS 24 Visual Arts and Crafts

Form 246 BWS 25 Screen Media

Bachelor of Science (Mathematics) with Vocational Studies (49982)

The discipline of mathematics at IQY Degree College is divided into several areas of study: Pure Mathematics, Applied Mathematics and Statistics.

Pure Mathematics is the study of the essential structures of mathematics. Work by pure mathematicians underpins most of the technological advances of this century. Pure Mathematics is concerned with problems and techniques which transcend specific applications. Research, focusing on the development of existing theories or the creation of new ones, may be driven by applications or by the internal demands of the discipline. Pure Mathematics courses provide the insights and understanding required by those using mathematics, leading to mastery of the fundamental processes of mathematical science and the capacity for innovative applications in any area.

Applied Mathematics concerns the development of mathematics and models for understanding scientific phenomena, for the solution of technical and industrial problems, and for use in the social, economic and management sciences. Courses are designed to provide basic mathematical and computational skills needed for a wide range of applications, to develop the capability to construct, analyse and interpret mathematical models, and to encourage enthusiasm for the role of the mathematician in a variety of contexts.

Statistics is the science and art of using factual material for modelling and inference. Its mathematical foundations are in the theory of probability and it deals with how to estimate and make decisions using knowledge which is uncertain or observational material which is subject to error. There is a rich interplay of ideas between the theory of statistics and fields such as engineering, medicine and biological and behavioural sciences where statistical problems constantly arise.

Year 12 Equivalent

Diploma in Intermediate Science (Dip ISc)

Year 1 (30 credits)

BS101-Degree Mathematics (6 credits)

BS102 -Degree Chemistry (6 credits)

BS103 Degree Physics (6 credits)

BS104 English (6 credits)

BS105 Myanmar (6 credits)

Year 2 (30 credits)

BS201 Differential Equations (5 credits)

BS202 Discrete Mathematics (5 credits)

BS203 Materials Chemistry (5 credits)

BS204 Engineering Physics 1 (5 credits)

BS205 English (5 credits)

BS206 Myanmar (5 credits)

Year 3 (30 credits)

BAE401 Advanced Engineering Mathematics (5 credits)

BAE402 Calculus (5 credits)

BS301 Programming for Mathematicians and Scientists (5 credits)

BS302 Applied Mathematics (5 credits)

Mechanics of Solids

Vocational Subject (10 Credits)

Year 4 Vocational Studies (30 credits)

Choose One Diploma in Work Studies Course

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Form 246 BWS 25 Screen Media

Bachelor of Science (Physics Chemistry) with Vocational Studies (49983)

This combination discipline degree will provide the following knowledge.

Physics

Physics is the study of the laws of nature that govern the behaviour of the universe, from the smallest sub-atomic particles to the universe itself. It applies these laws to the solution of practical and theoretical problems and to the development of new technologies.

Chemistry

The Chemistry stream is designed for students who wish to specialise in the chemical sciences and undertake the maximum number of Chemistry courses. It is designed to provide education and training in all contemporary fields of chemistry, and should be selected by students who wish to devote the majority of their studies at Stage III to Chemistry.

Year 12 Equivalent

Diploma in Intermediate Science (Dip ISc)

Year 1 (30 credits)

BS101-Degree Mathematics (6 credits)

BS102 -Degree Chemistry (6 credits)

BS103 Degree Physics (6 credits)

BS104 English (6 credits)

BS105 Myanmar (6 credits)

Year 2 (30 credits)

BS201 Differential Equations (5 credits)

BS202 Discrete Mathematics (5 credits)

BS203 Materials Chemistry (5 credits)

BS204 Engineering Physics 1 (5 credits)

BS205 English (5 credits)

BS206 Myanmar (5 credits)

Year 3 (30 credits)

BS301 Physical Chemistry (5 credits)

BS302 Mass Transfer (5 credits)

BS303 Particle Mechanics (3 credits)

BS304 Chemical Process (2 credits)

BS305 Engineering Physics 2 (5 credits)

Vocational Subject (10 Credits)

Year 4 Vocational Studies (30 credits)

Choose One Diploma in Work Studies Course

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