



# 2024 2025 CATALOGUE

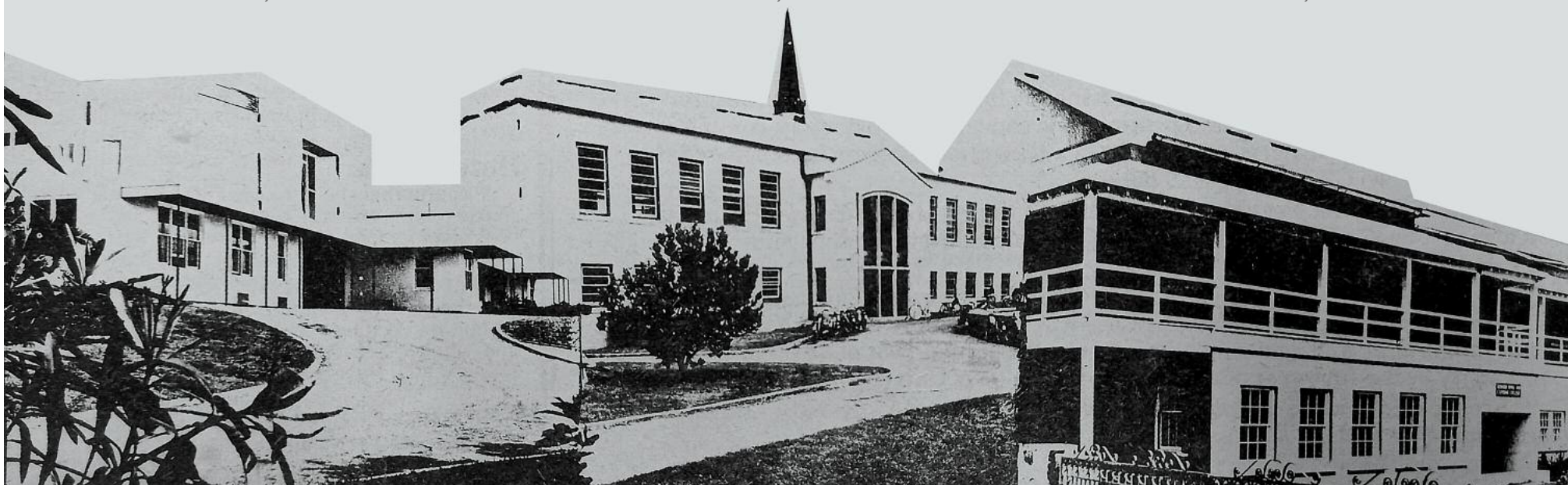
MANY PATHS. DISCOVER YOURS.

Bermuda College was established July 1, 1974 with the amalgamation of the three institutions pictured. Construction of a single campus in Paget began in 1979, and Bermuda College opened its doors in September of 1980 with Mr. Mansfield H. Brock Jr. appointed as its first president.

**ACADEMIC SIXTH FORM CENTRE**  
EST. 1967 AT ROBERTS AVE., DEVONSHIRE

**BERMUDA TECHNICAL INSTITUTE**  
EST. 1956 AT ROBERTS AVE., DEVONSHIRE

**BERMUDA HOTEL & CATERING COLLEGE**  
EST. 1965 AT PROSPECT, DEVONSHIRE



Information contained in this Catalogue is current according to records on file and verification at the time of printing.

Bermuda College is accredited by the New England Commission of Higher Education (NECHE).

Inquiries regarding the accreditation status should be directed to the administrative staff of the institution.

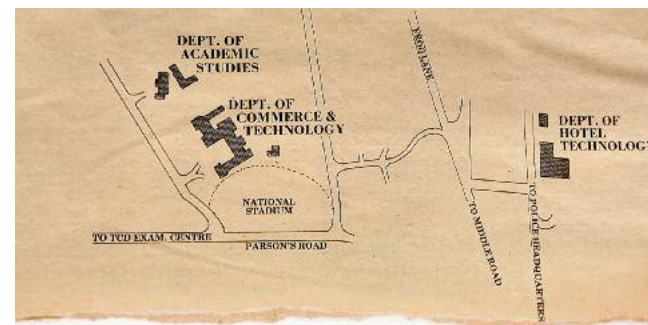
Individuals may also contact:

**New England Commission of Higher Education**

301 Edgewater Place, Suite 210, Wakefield, MA 01880

■ Tel: (781) 425-7785 ■ Email: [info@neche.org](mailto:info@neche.org)

[www.neche.org](http://www.neche.org)



**TOP PHOTO:** Collage from cover of 1975/76 Course Schedule

**BOTTOM:** Locations of the three institutions in Devonshire

**SOURCE:** BERMUDA GOVERNMENT ARCHIVES

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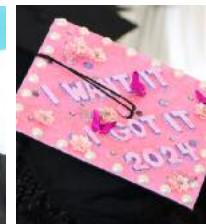
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# Congratulations Class of 2024!

MANY PATHS. DISCOVER YOURS





## Welcome Message from the President



### ***Welcome to the 2024-2025 academic year!***

As we celebrate the 50th anniversary of Bermuda College, I extend a warm welcome and greetings to all students, faculty, staff, friends, and future students. Let us get ready to participate in an exceptional academic experience to help “transform lives through innovative education!”

I am honoured to be the new President of Bermuda College. I’ve discovered many great things about the island of Bermuda and the College itself that have resonated with me, including the vibrant campus and the presence of an outstanding faculty and dedicated staff, who are deeply committed to doing their best for students to succeed. That was a major attraction for me to apply for this position, and as president, I intend to build on this well-known legacy of the College.

A college catalogue is a bit like a blueprint. These pages will help you build a foundation and, eventually, a structure that can benefit you for the rest of your life. You are truly preparing for a bright future! Further, there are two ways to see this catalogue: you can see it literally – as a collection of helpful and necessary information, guidelines, courses, and requirements. Or you can see it the way I do – page after page of inspiration, opportunity, and hope. At Bermuda College, we believe those steps go together and we are here to help you navigate college life.

This is ***your*** College, and our faculty, staff, and Board of Governors are all committed to helping you succeed from the beginning through to the end of your academic journey with us. When you have a break from classes, be sure to stop by my office to say hello. I maintain an open-door policy and look forward to hearing about how your journey of discovery is unfolding.

Finally, for those who have been wavering about attending the College, I will ask you to try a class with one of our remarkable faculty members. We will surely meet and exceed your expectations! So, with the many paths out there, discover yours at Bermuda College!

Best wishes for an excellent year!

Sincerely,  
**David Sam, PhD, JD, LLM**  
*President*

# Accreditation, Vision and Mission Statements, Core Values

## ACCREDITATION

**Bermuda College is accredited by the New England Commission of Higher Education (NECHE).** Accreditation status is a testament to the College's commitment and capacity to deliver a level of education to students that meet rigorous North-American recognised, quality standards that are subject to external review and verification. Beyond this, graduating from an accredited institution of higher education, like Bermuda College, affords students the opportunity to transfer course credits to another college or university without having to repeat them. Most employers prefer to hire job applicants with degrees or certificates from an accredited institution and also look to see that employees have been educated at an accredited institution when making decisions about promotions within the firm. Accreditation status is also often considered by employers who provide tuition assistance/reimbursement for those employees who desire or need to further their education.

### American Culinary Federation

Bermuda College is accredited by the Commission of the American Culinary Federation Education Foundation to offer the Associate degree of Applied Science (Culinary Arts) and the Diploma in Culinary Arts.

## VISION STATEMENT

**Transforming lives through innovative education.**

## MISSION STATEMENT

**Bermuda College is committed to providing its community with innovative programmes, training, support services and access to partnerships that lead to local and global success.**

## CORE VALUES

### Commitment to Students

- Anticipate student needs
- Maintain viable programmes that transfer to university and/or equip students to be successful in the workplace
- Strive toward student satisfaction and retention
- Value and empathise with our students; and be aware of what it took for them to get to this point
- Involve alumni

### Quality Teaching

- Stimulate student learning
- Create a vibrant, inclusive, educational environment
- Include creativity in the classroom
- Develop strategies to deal with various learning styles
- Add value to each student that comes to our College
- Demonstrate timeliness in record keeping

### Commitment to Employees

- Provide professional development and clearly defined career tracks
- Provide adequate resources
- Value each employee's job as a meaningful part of the whole
- Provide job security
- Promote balance between work and family commitments
- Develop health, wellness and social activities

### Respect, Recognition and Being Valued

- Involve all stake-holders in decisions that affect their areas
- Allow employees to decide a course of action in their area of expertise
- Recognise employees for doing the right thing, and reward them accordingly
- Support co-workers and promote each other to students and the public

### Commitment to High Standards

- Make a commitment to outstanding work and quality results
- Perform work that adds value and meets set goals
- Show pride in work
- Ensure that all areas function effectively and efficiently
- Monitor programmes, service and business structure to keep them current
- Apply standards consistently

### Stability, Security and Safety

- Use public relations as a tool to market the institution
- Create a viable organisation
- Create a safe campus environment
- Create a progressively dynamic work environment
- Establish clear written procedures and job descriptions
- Provide training for employees on standard operating procedures
- Respect and allow freedom of speech
- Develop well-defined succession plans for each department

### Responsibility and Accountability

- Demonstrate commitment to internal and external stakeholders
- Commit to fairness and equity
- Be committed to carrying out our jobs
- Hold each other accountable for maintaining our Core Values

# Application Procedure

## APPLICATION PROCEDURE

To apply to Bermuda College, create an account and complete the online application [www.college.bm/admissions](http://www.college.bm/admissions). The application fee of \$50.00 can be paid online [www.college.bm/payment](http://www.college.bm/payment) or submitted to Business Office, College Centre Building, 2nd Floor, 21 Stonington Avenue, Paget PG 04, Bermuda

### Deadlines for Admission:

	STANDARD	LATE (\$75 application fee)
SPRING SEMESTER	1 November*	2 November – 1 December*
FALL SEMESTER	1 June*	2 June – 1 August*

\*Applications and complete documentation (see checklist below) must be submitted prior to the published deadlines; applications received after the deadline may be processed for the next available semester.

**IMPORTANT:** We cannot guarantee financial support for applicants who complete their file after the standard deadline.

## ADMISSIONS CHECKLIST

1. Completed application form
2. Verification of Citizenship: Bermuda Passport with Registered Status, proof of Bermudian status or Entry Visa
3. Official transcripts and external examination results
4. Application fee of \$50.00 (non-refundable)
5. Completed Medical Disclosure Form

The application for admission and any transcripts of credit become the property of Bermuda College and will not be returned or forwarded.

## INTERNATIONAL STUDENTS

International students wishing to be admitted to Bermuda College, must apply to [www.college.bm/admissions](http://www.college.bm/admissions).

The application fee of \$100.00 must be paid online [www.college.bm/payment](http://www.college.bm/payment)

## INTERNATIONAL ADMISSIONS CHECKLIST

1. Completed Application Form
2. Official transcripts and external examination results (translated in English)
3. Where applicable, proof of English Proficiency via Test of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS).
4. Letter of recommendation from school official, employer or an otherwise suitable source letting us know why he/she thinks you would be a successful student.

5. Entry Visa Application  
[www.gov.bm/online-services/apply-residence](http://www.gov.bm/online-services/apply-residence)
6. Application fee of **US \$100.00** payable to Bermuda College (non-refundable)
7. Completed Medical Disclosure Form

**NOTE:** International student Entry Permits will be issued only to persons who are pursuing a full-time course of study at Bermuda College. International students cannot seek employment off campus without immigration approval.

**International students must apply on or before the standard deadline.**

Address the request to:

**Student Enrolment Registration and Records  
College Centre, 21 Stonington Avenue, Paget PG 04, Bermuda**

Alternatively:

- E-mail: [admissions@college.bm](mailto:admissions@college.bm)
- Tel: **441-236-9000 ext. 4375**
- Fax: **441-239-4051**

## ADMISSIONS GUIDELINES

Students will be admitted to the College if they have met one of the following:

- A high school graduate
- Earned an International Baccalaureate Diploma/Certificate.
- Earned a General Education Diploma (GED).
- Students under the age of 24 without a high school diploma or GED may be admitted based on the results of the Computerised Placement Test (CPT), ACT or SAT test. An official transcript of all previous academic work is required.
- Students 25 years of age or older without a high school diploma or GED may be admitted based on the results of the Computerised Placement Test (CPT) or SAT test.

### NOTE:

1. Students wishing to transfer overseas may be required to obtain a high school diploma or GED.
2. The CPT requirement may be waived if the student has a bachelor's degree or has successfully completed a college level English or mathematics course with a grade of "C" or higher.
3. Students requiring special accommodations are required to submit test results and assessments to the Centre for Learning and Academic Success. (*see Accessibility Services on pgs. 17 & 141*)

Students who knowingly and willfully misrepresent and/or omit required information on official Bermuda College submissions shall be subject to disqualification from admission.

# Application Procedure

## Returning Students

Students previously enrolled at Bermuda College and who have not been in attendance for a minimum of two academic years are identified as returning students. These students must submit the following:

1. Completed application form
2. If applicable, official transcripts for studies outside Bermuda College since last enrolled
3. Verification of Citizenship: Bermuda Passport with Registered Status, proof of Bermudian status or Entry Visa
4. Application fee of \$50.00 (non-refundable)
5. Students who have been away from Bermuda College for two years or more may be eligible for the Fresh Start programme (*see pg. 9*)
6. Completed Medical Disclosure Form

## Admission Notification

Bermuda College practices rolling admissions which means it reviews each application as it is submitted. Students will receive an admission decision within approximately four (4) weeks of receiving all the required documents. (*see Admissions Checklist pg. 5*)

Students who are enrolled in high school at the time of admission to Bermuda College must submit his/her final high school transcript to the Student Enrolment, Registration and Records (SERR) Office as soon as possible after graduation.

## DUAL ENROLMENT

To be eligible for the Bermuda College Dual Enrolment Associate Degree programme, in partnership with the Bermuda Ministry of Education, a student must:

1. Be enrolled in a Bermuda public senior school.
2. Have completed all of the academic requirements of S2 and be classified as an S3 student with a minimum of "B" grades in the chosen course of study and an overall GPA of 3.00.
3. Complete the Bermuda College Application form and submit with a senior school transcript.
4. Submit a recommendation letter from his/her school.
5. Sign an agreement to release student record information to his/her respective senior school, and for use by Bermuda College.
6. Be college-ready based on appropriate sections of the College Placement Test (CPT).
7. Not have already received a senior school diploma or General Education Development (GED) diploma.

## For further details contact:

Director, Centre for Learning and Academic Success  
Dr. Lisa Osborne | Tel: 239-4102 ■ E-mail: [losborne@college.bm](mailto:losborne@college.bm)

To be eligible for the Bermuda College Dual Enrolment Programme within the Diploma in Culinary Arts (DP-CUART), Diploma in Hospitality Management (DP-HSMGT), or the Certificate in Applied Science Technology (CT-TECH) programmes, in partnership with the Bermuda Ministry of Education, a student must:

1. Be enrolled in a Bermuda public senior school.
2. Have completed all of the academic requirements of S2 and be classified as an S3 student with a minimum of "B" grades in the chosen course of study and an overall GPA of 2.00.
3. Complete the Bermuda College Application form and submit with a senior school transcript.
4. Submit a recommendation letter from his/her school.
5. Sign an agreement to release student record information to his/her respective senior school, and for use by Bermuda College.
6. Be college-ready based on appropriate sections of the College Placement Test (CPT) or have met the requirements for ENG 0012 and MAT 0010.
7. Have not received a senior school diploma or General Education Development (GED) diploma.

**NOTE:** Fulfilling the above requirements does not guarantee admission to the Dual Enrolment Programme.

## For further details contact:

Dean of Business, Hospitality and Technical Education  
Ms. L'Tanya Roberts | Tel: 236-9000 ext. 4242 ■ E-mail: [lroberts@college.bm](mailto:lroberts@college.bm)

## ASSESSMENT AND PLACEMENT WITH THE COMPUTERISED PLACEMENT TEST (CPT)

### Student Assessment

Students are required to take the Computerised Placement Test (CPT). The CPT is used to assess entry-level skills in English, reading and mathematics. Although students can graduate from high school meeting minimum academic requirements, sometimes the courses taken in high school may not adequately prepare students for success in college-level courses. Students who have completed college-level English and mathematics at another tertiary institution with a minimum grade of "C" will not be required to take the CPT.

### Course Placement Policy

Based on the result of the CPT, high school transcript, SAT, ACT and any other tests taken, students will, with the assistance of an advisor, select



# Application Procedure

appropriate courses to start them on their path to success. Placement in preparatory courses may be required depending on a student's scores and academic goals. Preparatory courses serve as prerequisites to college level courses. A grade of "C" or better must be attained in preparatory courses for admission to college-level courses.

## PRIOR LEARNING ASSESSMENT (PLA)

Bermuda College recognises and promotes the principles of lifelong learning, including the recognition of prior learning. Prior learning assessment may include but is not limited to, national standardised assessments, certificates, industry-recognised credentials, licenses, and certifications, and non-credit instruction programmes such as registered apprenticeships, continuing education, institutional training, and applicable work experience.

Students may apply for recognition of prior learning where the learning outcomes were achieved before their admission to their programme of study. Where a student is undertaking certifications, national standardised assessment, courses at other institutions, etc. while studying at Bermuda College they must seek prior approval. If a student returns to his/her programme of study following time out (including a leave of absence or withdrawal), a student may apply for PLA. NOTE: It is at the discretion of Bermuda College whether to allow credit for such learning.

It is the responsibility of individual applicants to apply for admission to a programme and to submit a PLA application prior to the deadlines outlined in the Bermuda College catalogue.

- PLA credit will only be awarded once a student has declared a programme of study.
- PLA credit by Portfolio Assessment will be awarded after the completion of the portfolio development course.
- PLA credit will only be awarded for college-level courses.
- All work evaluated for consideration of PLA credit must be consistent with a grade of "C" or better (2.00 = C). *For AP, IB and CLEP, see the guidelines below.*
- A maximum of 50% of the credit hours applied toward completion of your programme can be earned by PLA. *Review restrictions for external examinations and internally administered examinations in the guidelines below.*
- PLA credit will not be granted for duplication of existing courses.
- Certifications considered for PLA credit must have been completed within the last 7 years (4 years for subjects in IT).
- PLA credits are not included towards credit hours per semester for the purpose of financial aid or any other purpose centered on enrolment credits.

## 1. EXTERNAL STANDARDISED EXAMINATIONS

Credit for prior learning can be earned through standardised tests administered by nationally-recognised organisations. The following standardised tests are currently accepted at Bermuda College:

- Advanced Placement (AP) examinations;
- College Level Examination Programme (CLEP);
- International Baccalaureate (IB) examinations.

## ADVANCE PLACEMENT (AP) GUIDELINES

The Bermuda College will award Advance Placement (AP) credits to students who have passed the AP exams provided the following conditions are met:

- The College Board (the testing agency) approved the high school as an "Approved High School" and the specific course has been accepted by the agency.
- The student submits an official transcript of the AP results to the Student Enrolment Registration and Records (SERR) Office.
- The student receives a grade of **4 or above** on the course exam.
- The AP course aligns with an equivalent course currently offered at Bermuda College.

A maximum of five (5) courses may be awarded credit.

## List of AP Courses Approved:

*(This list will be updated as additional courses are evaluated and approved)*

ADVANCE PLACEMENT	BERMUDA COLLEGE
Biology	BIO 1121 and BIO 1122
Chemistry	CHM 1111 and CHM 1112
Economics	ECO 1101 and ECO 1102
English	ENG 1111
Environmental Science	EES 1101
French	FRE 1101 and FRE 1102
Mathematics	MAT 1152, MAT 2233 and MAT 2234
Music	MSC 1105
Psychology	PSY 1101 and PSY 1102
Spanish	SPA 1101 and SPA 1102

**NOTE:** Credit will be granted if the courses taken are deemed to be appropriate to the student's academic programme.

# Application Procedure

## INTERNATIONAL BACCALAUREATE (IB) GUIDELINES

The Bermuda College will award International Baccalaureate (IB) credits to students who have passed the IB exams provided the following conditions are met:

- The International Baccalaureate (the testing agency) approved the high school as an “Approved High School” and the specific course has been accepted by the IB as a **Higher Level IB course**.
- The student submits an official transcript of the Higher Level IB results to the Student Enrolment, Registration and Records (SERR) Office.
- The student receives a grade of **5 or above** on the **Higher Level IB course exam**.
- The **Higher Level IB** course aligns with an equivalent course currently offered at Bermuda College.

A maximum of five (5) courses may be awarded credit.

### List of IB Higher Level Courses Approved:

*(This list will be updated as additional courses are evaluated and approved)*

INTERNATIONAL BACCALAUREATE HIGHER LEVEL	BERMUDA COLLEGE COURSE
Biology	BIO 1121 and 1122
Business and Management	MGN 1114
Chemistry	CHM 1111 and CHM 1112
French	FRE 1101 and FRE 1102
Economics	ECO 1101 and ECO 1102
English	ENG 1111
Spanish	SPA 1101 and SPA 1102

**NOTE:** Credit will be granted only if the course taken is deemed to be appropriate to the student’s academic programme.

## COLLEGE LEVEL EXAMINATION PROGRAMME (CLEP) GUIDELINES

The Bermuda College will award college credit to students who meet the requirements of a class through CLEP examinations provided they are in good academic standing and are registered in a programme of study. The following conditions apply:

- The student submits an official transcript of the CLEP results to the Student Enrolment, Registration and Records (SERR) Office
- The student received a score of 50 or above on the course exam
- The CLEP course aligns with an equivalent course currently offered at Bermuda College
- A maximum of five (5) courses may be awarded credit

## List of CLEP Courses Approved:

*(This list will be updated as additional courses are evaluated and approved)*

CLEP	BERMUDA COLLEGE
Financial Accounting	ACC 1135
Information Systems	CIS 1120
Principles of Microeconomics	ECO 1101
Principles of Macroeconomics	ECO 1102
Principles of Management	MGN 1114

**NOTE:** Credit will be granted if the courses taken are deemed to be appropriate to the student’s academic programme.

## 2. INTERNALLY ADMINISTERED EXAMINATIONS

Credit for prior learning can be awarded through examinations created and administered by the academic division that offers a given course(s). The examination is constructed to allow the student to demonstrate mastery of the learning outcomes of the course. Refer to the Academic Regulation on Challenge for Credit below.

### Challenge for Credit/Admission by Credit

Students who have previously acquired knowledge in areas closely related to courses offered at Bermuda College may apply to earn credit by means of course challenge, provided that they are in good academic standing and are registered in a full-time programme of study. The following conditions apply:

- Within the first semester of attendance, written application providing evidence and grounds for the course challenge must be submitted for approval to the Division head;
- If the application is successful, the Division will establish the most appropriate means of challenge (written, oral, laboratory or practical examinations, essays, or any combination thereof) as well as the time, place and condition of the challenge;
- A course may be challenged only once by the applicant, and the applicant cannot previously have been enrolled in the course;
- A grade of at least “C” must be obtained to earn credit, but no grade will be recorded in the academic record; the notation CR will be entered and the GPA is not affected (please note that some programmes may require a grade higher than “C” when used as a prerequisite);
- A maximum of 15 credits may be earned by challenge;
- The requisite fee must be paid.

**NOTE:** Admission by Credit is determined by the Division head and confirmed by the Registrar after official transcripts are reviewed.

## 3. PORTFOLIO ASSESSMENT

Credit for prior learning can be awarded through a portfolio assessment process administered by the academic divisions. Prior learning assessment by portfolio will follow a course-equivalency credit model. Students must demonstrate college-level learning by submitting a portfolio consisting of an organised collection of evidence that demonstrates mastery of the learning outcomes of a specific course(s) offered at Bermuda College.

Students choosing to submit a portfolio for evaluation must take a portfolio development course taught at Bermuda College. This course must be completed before requesting a portfolio assessment from any academic division.

### Withdrawal of Credit

Bermuda College reserves the right to withdraw credit where an error has been made in assessing an application, where documentation provided by the applicant is misleading, false or invalid. Withdrawal of credit must be approved by the Department head on the recommendation of the VP of Academic & Student Affairs, faculty or Registrar.

## ACADEMIC FRESH START POLICY

Bermuda College recognises that students who have previously enrolled at the institution may not have performed at a level that reflects their true academic ability. In recognition of this, the College has adopted an Academic Fresh Start policy which is offered to students who re-enrol at the institution to complete a programme of study after two (2) years' absence.

**Prior to applying for Academic Fresh Start, students should review the following terms and conditions:** Students must apply for the Academic Fresh Start through the Student Enrolment, Registration and Records (SERR) Office at the commencement of re-admission but no later than the mid-term break of the first semester of re-enrolment. The student must be in good financial standing with Bermuda College when he/she applies for Academic Fresh Start.

**NOTE:** Academic Fresh Start applies only to courses taken at Bermuda College prior to re-admission.

- Students should meet with a counsellor to discuss his/her academic goals.
- Students must appear before a committee consisting of the Division head, the student's counsellor and advisor to review first semester grades and the application form. This committee will

approve or decline the application and forward the decision to the SERR office.

- The original GPA will not be included in any subsequent computation of the new GPA. If the Academic Fresh Start option is approved, the student will receive credit for courses in line with the current transfer credit policy. Students must understand that all grades earned at Bermuda College will remain on the official transcript. Their transcripts will also be annotated such that it is clear that an Academic Fresh Start has been granted.
- An Academic Fresh Start will be granted only once and is not automatic or guaranteed. An Academic Fresh Start does not apply to any completed degree or certificate.
- An Academic Fresh Start is irreversible; once applied it cannot be reversed.
- Students granted Academic Fresh Start will fall under the Bermuda College catalogue in effect at the time his/her Academic Fresh Start was granted.
- Appeal Process: If students wish to appeal the decision of the committee, the appeal must be made in writing to the Vice President, Academic and Student Affairs, within 10 business days. This decision will be final.

**NOTE:** Academic Fresh Start forms can be downloaded from [www.college.bm](http://www.college.bm)



**MANY PATHS.  
DISCOVER YOURS.**



# Sessional Dates/Academic Calendar 2024-2025

	FALL 2024	SPRING 2025	SUMMER 2025
<b>ONLINE REGISTRATION &amp; PAYMENT OPEN</b>	1 April – 30 August	1 November – 17 January	1 April – 16 May
Request for Funding Support application opens	-----	1 November	-----
<b>ADMISSIONS DEADLINE</b>	1 June	31 October	-----
College Closed	1 August – 2 August	20 December – 5 January	18 April
Late Admissions Deadline	1 August	1 December	-----
Deadline to Request Challenge Exams	12 August	13 December	-----
Deadline for Application for Transfer Credit	12 August	13 December	-----
Session Opens	19 August	6 January	-----
Faculty Professional Development Day	19 August	6 January	-----
Challenge Exams	19 August	6 January	-----
Request for Funding Support Application Closes	21 August	1 December	-----
New Student Orientation	21 August	8 January	-----
Last Day for Early Registration	23 August	10 January	9 May
College Development Day (College Closed @ noon)	23 August	-----	-----
Final CPT Before Semester Start	24 August	11 January	10 May
Late Registration	26 August – 30 August	13 – 17 January	12 – 16 May
<b>FIRST DAY OF CLASSES (Credit Courses)</b>	26 August	13 January	12 May
Add/Drop Period	26 August – 30 August	13 – 17 January	12 – 16 May
Convocation	29 August	-----	-----
Last Day for Tuition Payment	30 August	17 January	16 May
Last Day to Submit Incomplete Grades	30 August	31 January	-----
College Closed	2 September	-----	30 May
First Day of Athora Division of Professional & Career Education Classes	see course schedule	see course schedule	see course schedule
Deregistration (withdrawal of students who have not paid)	9 September	27 January	27 May
Last Day to Withdraw from Courses Without Financial Penalty	12 September	6 February	2 June
Census Day	17 September	3 February	-----
Payment Plan (Instalment One)	27 September	14 February	-----
Mid-semester Grades Deadline	16 October	28 February	-----
<b>MID-SEMESTER BREAK</b>	17 – 18 October	3 – 7 March	-----
Payment Plan (Instalment Two)	25 October	14 March	-----
Last Day to Withdraw from Courses Without Academic Penalty	25 October	14 March	-----
Spirit Day	25 October	21 March	-----
Student Opinion Survey Opens	4 November	17 March	-----
Graduation Application Deadline	1 November	1 April	-----
Admissions Deadline (Nursing)	1 November	-----	-----
College Closed	11 November	18 April	16 June
Last Day of Lectures/Clinicals	1 December	27 April	29 June
Reading Days (Day Classes Only)	2 – 3 December	28 – 29 April	-----
<b>FINAL EXAMS</b>	4 – 10 December	30 April – 6 May	30 June – 6 July
Semester Grades Deadline	11 December	7 May	8 July
Faculty Professional Development Day	-----	8 May	-----
In-House Awards Applications Deadline	-----	9 May	-----
Graduation List Posted* (12:00 PM)	13 December	8 May	-----
<b>COMMENCEMENT</b>	16 January*	15 May	-----

\* FALL COMMENCEMENT IS CONTINGENT ON A MINIMUM OF 25 GRADUANDS.

# Academic Regulations

## TRANSFER OF CREDIT FROM ANOTHER SCHOOL

Bermuda College will grant transfer credit for course work successfully completed at an **accredited** institution of higher education. When applying to receive credit for work completed at another institution, the following standards and guidelines will apply:

1. Official transcripts are required.
2. Credit is awarded for college level courses in which a grade of "C" or better (4.00 = A) is earned.
3. Coursework considered for transfer must have been completed within the last 7 years (4 years for subjects in IT).
4. A maximum of 50% of the credit hours required for graduation will be accepted.
5. Academic credits earned at institutions based on a unit of credit other than the one prescribed by Bermuda College are subject to conversion before being transferred.
6. Credit will not be granted for duplication of existing courses.
7. Coursework successfully completed at other colleges and universities recognised by NECHE or similar accrediting associations will be considered for transfer credit. Other colleges and universities will be evaluated on a case-by-case basis.
8. Students may obtain credit through the Challenge for Credit/Admission by Credit Policy. For alternative methods of earning credit, see Advanced Placement and International Baccalaureate Guidelines. *(see pgs. 7 & 8)*

### To apply for transfer credit:

1. To obtain a Transfer Credit Application, contact the Student Enrolment, Registration and Records (SERR) Office at 239-4049.

## ACADEMIC REGULATIONS

Bermuda College, like other institutions, has guidelines that govern operational procedures. There are several kinds of College guidelines - those that apply to academics, called Academic Regulations, and those that apply to conduct, called the Student Code of Conduct. This section outlines academic guidelines and provides valuable information about everything from determining your grade point average (GPA) to getting a copy of your transcript.

It is important that you are familiar with these guidelines so that you understand what is required of you and what you can expect of the College. *(Refer to pg. 19 for Student Code of Conduct)*

## FULL-TIME STUDENT

A full-time student will ordinarily carry 12 or more credit hours in a Fall or Spring semester. Under certain circumstances, students may receive authorisation for a Reduced Course Load (RCL), which gives them permission to enroll in less than 12 credit hours and still maintain valid full-time status.

### Acceptable Reasons for a Reduced Course Load:

- Illness or medical condition (up to 12 months with appropriate documentation)\*
- Initial difficulty with English language (1st and 2nd semester) reflected in CPT scores:
  - Reading comprehension - 258 or lower
  - Writing - 2 or lower
- Initial difficulty with reading requirements (1st and 2nd semester) reflected in CPT scores:
  - Reading comprehension - 258 or lower
- Improper course level placement
- To complete course of study in current term
- Institutionally-mandated course reduction
- Students with documented disabilities\*

\*Requests must be submitted to the attention of the Coordinator of Accessibility Services prior to the registration period. The credit threshold will be determined on a case-by-case basis according to the student's needs.

## COURSE AUDIT

Auditing a course means you attend the course and have the **OPTION** of completing assignments and writing the exams. An audited course is not given credit but is recorded on the transcript as "AU". Within the normal time period for changing courses, a student may change a course from credit to audit status or vice versa. A student may register to audit a course if space is available.

## WITHDRAWAL

### Withdrawal from a Course

Students who wish to withdraw from a course must do so formally through his/her academic advisor or Division head before the date specified under the section headed Sessional Dates in this catalogue. The academic record will show a course status of "W". This indicates Withdrawal without penalty. No grade point is assigned and the GPA is not affected.

# Academic Regulations

Students withdrawing after the specified date, except for medical or other legitimate reasons acceptable to the Division head, are deemed to have failed. Petitions for such exception should be made to the Division head.

Students wishing to withdraw from a course in the **Athora Division of Professional and Career Education (APACE)** must do so before the **SECOND** week of scheduled class. After the second week of the scheduled class there is no refund. A **NON-REFUNDABLE** fee of \$75.00 will accompany all requests for withdrawal.

**NOTE:** Fees for courses with 8 hours or less of instruction are **REFUNDABLE** up to 24 hours prior to the course start date.

## Withdrawal from the College and Re-admission

Students withdrawing from all courses are deemed to have withdrawn from the College unless a leave of absence has been granted. Students who do not return to the College within two years are deemed to have withdrawn from the College and an application for re-admission is required from students who wish to re-enrol. Re-admitted students are bound by the academic regulations current at the time of re-admission.

## Leave of Absence

Students may apply for a leave of absence from studies for a period not exceeding one academic year in the first instance. Such application, detailing the circumstances, must be made in writing to the Registrar.

## ATTENDANCE

### Attendance Regulations Policy

To obtain maximum benefit from each class, regular and punctual attendance is expected of all students. Lack of punctuality may result in students being deemed absent. Insufficient attendance may result in the application of sanctions. Attendance is monitored and reviewed. Students with insufficient attendance may be called for counselling at any time by the Division head or designate. Students with repeated attendance lapses, subsequent to counselling by the Division head or designate, may be suspended or required to withdraw from any course or programme at any time. In arriving at the decision, the Division head will entertain petitions or information submitted by students and will review all information pertinent to the attendance record. Students who have been suspended or required to withdraw from a course or programme on grounds of insufficient attendance may appeal to the Vice President, Academic and Student Affairs, whose decision shall be final.

### Attendance guidelines for developmental and preparatory courses:

Students will be automatically withdrawn from a developmental or college preparatory course under the following conditions:

**If students miss:**      **Four 50-minute classes**  
                                      **Two 80-minute classes**  
                                      **Two evening classes**

### Distance Education Course Attendance Policy

Courses are presented in weekly units. The weekly attendance period begins on Monday at 12:00 am and ends on the following Sunday at 11:59 pm.

The specific requirements for online attendance are as follows:

- Any first-term student or any student seeking re-entry who does not register attendance within the first five (5) days online will be administratively withdrawn from the course.
- Students who have not participated in class by failing to log in for seven (7) consecutive days (excluding scheduled breaks) will be administratively withdrawn from the course.
- Students may appeal to their Division head if they feel an error has been made in their attendance calculations.

### Duration of Studies

Requirements for associate degree programmes must be completed within five years of initial registration.

Requirements for modular certificate programmes must be completed within five years of initial registration.

Requirements for all other certificate programmes must be completed at the rate of 15 academic credits per year from initial registration.

Students who are unable to complete the requirements for a programme within the stated time may apply for the grant of an extension. Such application, detailing the circumstances, must be made in writing to the Registrar. If an extension is granted, students will be subject to the academic regulations current at the time of the extension.

## PROGRAMME SELECTIONS *(Refer to pg. 33)*

### Associate of Arts Degree (AA)

The AA degree is designed to prepare students for entry into the junior (3rd) year of a four-year institution. The AA degree is a university parallel, college transfer degree comprised of at least sixty (60) college credits of which thirty-six (36) are general education credits.



# Academic Regulations

## Associate of Science Degree (AS)

The AS degree is designed to prepare students for entry into the junior (3rd) year of a four-year degree in the science disciplines. The AS degree is a university parallel, college transfer degree comprised of at least sixty (60) college credits of which thirty-six (36) are general education credits.

## Associate of Applied Science Degree (AAS)

The AAS degree is designed to prepare students for immediate entry or advancement into employment requiring specialised skills. The degree consists of at least sixty (60) college credits of which at least twenty (20) credits must be general education. An AAS degree programme does not necessarily prepare an individual for entry into the junior (3rd) year of a four-year institution. The goal of an AAS is to earn a degree, which should lead to a productive career in a field requiring specialised training. Some AAS degrees may articulate into upper level programmes. If a decision is made at a later date to attend a university, additional course work may be required at the freshman or sophomore level.

## Undeclared Programme (UND)

The undeclared programme is designated for students who have not selected a programme. After completion of 12 credits, a student must declare a programme in order to graduate.

## Declaring a Programme

Students without a programme are strongly encouraged to explore their options through the Career & Counselling Centre in their first semester. All students intending to graduate from Bermuda College are required to select a programme before or upon completion of 12 credits. Registration holds will be placed on the record of undecided students who reach 12 credits. In order to have this hold removed and the registration process completed, undecided students are required to meet with a counsellor in the Career & Counselling Centre.

## Foundation Diploma

The diploma is specifically designed to facilitate credit transfer and/or the recognition of college level achievement for students who plan to continue their educational studies overseas.

- For students planning to attend school in the United Kingdom, the one-year diploma is designed to equate to a foundation year of study.
- Students planning to attend university or college in the United States or Canada are able to complete most general education requirements for the diploma.

## Diploma Programmes

A diploma programme is designed to provide the graduate with skills and competencies for immediate employment in the particular occupational field, but to a higher-level training standard than attained in a certificate programme. Diploma programmes consist of courses that are part of an associate degree programme. Students in this programme may be able to transfer some of these credits into an associate degree programme at a later time depending on the programme of study. These programmes may be more appropriate for non-traditional students\* who have two or more years of related work experience. The required years of experience will depend upon the programme or discipline.

\* A student who is either a) over the age of 21 without a high school diploma; or b) over the age of 24 at the time of admission.

## Certificate Programmes

The certificate programme is designed to provide the graduate with the opportunity for immediate employment in a particular occupational field and not generally designed for transfer. The certificate documents that the student has attained job entry competence and is ready at an entry-level employment standard. These programmes may be more appropriate for traditional students\*\*.

All certificate programmes will require at least one course in English and in mathematics at the certificate level, but may include more than one of each, depending upon the discipline and the student's performance on the Computerised Placement Test (CPT). Any course may be challenged to obtain the credit required.

\*\* A student who is under the age of 25 years at the time of admission and generally pursues further education immediately or shortly after the completion of secondary education.

## MAKING CHANGES TO YOUR PROGRAMME

### Change of Programme

Students may seek to transfer to another equivalent programme by application to the programme's Division office. If a student's application to change programmes is successful, he/she will be bound by the requirements stated in the catalogue for the academic year in which he/she makes the change.

### Adding and Dropping Courses

Admitted students may make changes in his/her class schedules by dropping or adding a course(s) during the official Add/Drop Period. **The Add/Drop Period is the first five class days of each semester.** All course changes are the responsibility of the student and filled on a first come, first served basis, space permitting. (*Refer to pg. 23 for Financial Penalty*)

# Academic Regulations

## GRADING

### Assessment and Grades

It is the policy of Bermuda College to provide continuous assessment of the student's performance, rather than to rely on final examinations alone. Performance is assessed every half semester for each course separately, and grades are awarded on the following basis:

Grade Symbols and Numerical Range	Grade Point	Description
<b>A</b> 94-100 %	<b>4.00</b>	<b>EXCELLENT</b> Demonstrates qualities of excellence, comprehensive knowledge, mastery of the subject, marked perception, and originality.
<b>A-</b> 90-93%	<b>3.67</b>	
<b>B+</b> 87-89%	<b>3.33</b>	<b>VERY GOOD</b> Demonstrates solid comprehension of course material, good command of necessary skills, and sound engagement with course requirements and activities.
<b>B</b> 84-86%	<b>3.00</b>	
<b>B-</b> 80-83%	<b>2.67</b>	
<b>C+</b> 77-79%	<b>2.33</b>	<b>SATISFACTORY</b> Demonstrates satisfactory comprehension of course material and skills needed, and meets basic course requirements and activities.
<b>C</b> 74-76%	<b>2.00</b>	
<b>C-</b> 70-73%	<b>1.67</b>	
<b>D</b> 60-69%	<b>1.00</b>	<b>PASS</b> Demonstrates unsatisfactory work that reflects minimal competence and participation in course requirements and activities.
<b>F</b> <60%	<b>0.00</b>	<b>FAIL</b> Does not demonstrate the required minimal competence to achieve course completion.

### Unit of Credit

A credit hour is the unit of credit students earn at Bermuda College. It is based on the number of in-class (online or physical) contact hours per week for the duration of one semester. One credit hour generally corresponds with a session of instruction lasting a minimum of 50 minutes. Please note that lab hours are calculated differently.

### GPA Calculations

The grade point average (GPA) is computed by multiplying the point value of each grade earned by the number of credit hours of the course for which the grade is received, and then dividing by the total number of hours of work attempted.

- Only grades achieved for college-level courses, courses numbered with 1100 and above, should be used to calculate a student's programme GPA.
- The Financial Aid Office calculates a "financial" GPA which includes preparatory and college level course work completed in the semester.

Students can access grade reports by logging on to the student portal. Only final grades, grades issued at the completion of a module or at the end of the semester, are recorded on the student's permanent record.

### Consolidated Grade

The grade points are averaged after each assessment to produce a **consolidated grade** for each course.

### Semester Average

Performance in each course can, at the end of a semester, be represented by a numerical value. The average of these numerical values for all active courses produces the **semester average**. This figure is of value in determining whether students are in good academic standing.

(see *Academic Standing on pg. 15*)

### Incomplete Work

An Incomplete grade (I) indicates that a student has not completed a major course assignment (usually a final exam or culminating final assessment) due to extraordinary circumstances, such as serious illness, death in the family, etc. The grade is applied only in those instances where the student has a reasonable chance of passing. It is not used to give an extension of time for a student delinquent in meeting course responsibilities.

The work must be completed by the student through formal arrangement with the faculty member no later than:

- The end of the third week in the Spring semester for a grade issued in the Fall semester,
- The end of the Fall registration period for a grade issued in the Spring semester,
- The end of the first week of classes in the Fall semester for a grade issued in the Summer session.

Should the student fail to complete the work within the designated period, the grade will automatically become an "F". A grade of 'I' will not be included in the computation of the grade point average.

# Academic Regulations

## Grade Appeals

Students wishing to appeal a grade awarded by the lecturer should first approach the lecturer. If the matter is not resolved at this level, the student may refer the matter to the Division head who can assign another lecturer to review the work submitted. The final decision on this matter rests with the Division head. Under no circumstances will grades be changed after two consecutive semesters.

## Grade Point Averages

The grade point values of all final grades are weighted according to the number of credits assigned to the courses to which they refer. The weighted average of all courses at the programme level is the Grade Point Average (GPA). For students registered in a second or higher semester, two GPAs are recorded: the *semester* grade point average, which averages only the courses completed in the current semester, and the *cumulative* grade point average, which averages all the courses, whenever these may have been taken.

The following is a hypothetical example:

GRADES		GRADE POINT VALUE		ATTEMPTED HOURS		GRADE POINT HOURS
C+	=	2.33	x	3	=	6.99
D	=	1.0	x	3	=	3.0
A	=	4.0	x	4	=	16.0
F	=	0.0	x	3	=	0.0
B-	=	2.67	x	3	=	8.01
Total				16		34.0

**34.0 grade points 16 attempted hours = 2.125 GPA.**

## ACADEMIC INTEGRITY

### Plagiarism and Cheating

Plagiarism is the act of presenting another's ideas or words as one's own. This may include, but not be limited to, the use by paraphrase or direct quotation of the published or unpublished work of another person without full and clear acknowledgement; and the unacknowledged use of materials prepared by another person, an AI programme such as Chat GPT, or agency engaged in the sale of term papers or other academic materials.

Cheating may include, but not be limited to, the intentional falsification or fabrication of any academic activity, unauthorised copying of another person's work, copying an exam or use of prohibited devices or materials, including AI programmes, during exams.

Any person who plagiarises, cheats, or who aids or abets an act of plagiarism or cheating will be penalised. These are serious academic offences. Depending upon the offence, penalties may range from re-assignment and re-submission of work to expulsion from the College.

## ACADEMIC STANDING

Bermuda College (BC) requires that all students achieve Satisfactory Academic Progress (SAP) by maintaining a minimum cumulative grade point average (GPA) of 2.00. The academic standing of each student is assessed at the end of each semester/session of enrolment. This policy applies to all credit students at BC regardless of his/her programme (Associate, diploma, certificate, or undeclared). Students in specific programmes, and students receiving financial aid, must also meet the specific academic requirements that determine continuation for these programmes. Students who have attempted at least 12 (cumulative) credit hours and fail to achieve SAP will be placed on academic probation.

### Academic Warning

Students will receive an academic warning when they have attempted 11 credit hours or less at BC and have failed to achieve SAP (minimum cumulative GPA of 2.00). These students will be notified of the following via the College communication systems:

- Students must achieve the minimum SAP standard by the end of the warning period.
- Students who do not meet the minimum SAP standard will have a status of Academic Probation.

### Academic Probation

Students are placed on academic probation when they have attempted at least 12 credit hours at BC and have failed to meet the minimum SAP standard. As a part of the assessment process the Probation Committee reviews the student's contact history with his/her academic advisor/counsellor for relevant information and can exercise discretion with respect to the application of this policy. When the assessment results in academic probation, the student will be notified of his/her probation status via the College communication systems.



# Academic Regulations

Students on Academic Probation are required to:

- Meet with an academic advisor/counsellor prior to the financial penalty deadline of the semester/session during which the probation status has been applied. A registration hold will be placed on his/her account until he/she has met with an academic advisor/counsellor.
- Complete a Contract for Improved Academic Performance (located on the student portal/college website) in collaboration with the academic advisor/counsellor. It should detail his/her academic goals for the semester, identify potential challenges as well as possible resources to address potential challenges. The plan may also include limitations on enrolment and other mandated forms of academic assistance such as academic support via the Centre for Learning and Academic Success (CLAS).
- Achieve a minimum semester GPA of 2.00 for each semester going forward. Failure to achieve SAP in the subsequent Fall or Spring semester will result in being Required to Withdraw. Academic Probation is removed when the minimum SAP standard is met.

## Required to Withdraw

A student on Academic Probation who does not achieve a minimum semester GPA of 2.00 in the subsequent Fall or Spring semester will be required to withdraw. He/she is not permitted to enrol in credit classes at BC for one subsequent Fall or Spring semester upon suspension from the College.

## Petitions

Students should note that the regulations governing academic standing are designed to ensure that the standards of the College are maintained at a level appropriate to each of its programmes and that the regulations are applied equitably to all students.

A student who believes he/she has an extenuating set of circumstances may petition the withdrawal using the Petition Probation Status form (located on the student portal/college website) to his/her Division head without waiting one semester. Extenuating circumstances may include, but are not limited to:

- Serious Illness
- Unexpected Economic Hardship
- Death in the Family

Acceptance of a student's petition is not automatically guaranteed and may in fact be denied if the Division head determines insufficient grounds to lift the Academic Probation status.

## Appeals

In any case where students are required to withdraw, they may complete and submit the Required to Withdraw Appeal form (located on the student portal/college website) which will be reviewed and processed by the Vice President, Academic and Student Affairs, whose decision shall be final.

## Return from Required to Withdraw

Students may request a return to active status after being required to withdraw following one semester (Fall or Spring) of non-attendance at the College. As a condition of return, students must meet with an academic advisor/counsellor prior to initiating registration and follow these guidelines:

- Enrolment limit of 9 total credits for the return semester
- Participate in at least two meetings with an academic advisor/counsellor or designate from the Centre for Learning and Academic Success for the provision of academic support within the semester of return:
  - Initial meeting to complete an assessment: course planning and resource needs
  - Mid-semester check-in
  - Additional meetings/workshops/mandated resource use as necessary

Additionally, students returning from being required to withdraw will be placed on Academic Probation and will be expected to maintain a semester GPA of 2.00 or higher for subsequent semesters/sessions.

## Course Repeat Policy

Students at Bermuda College will be permitted to repeat a course, which they have failed, or to earn a higher grade, once\*. The Division head may grant special permission for a third attempt upon the student submitting a petition articulating extenuating circumstances or other compelling rationale and a plan for successfully completing the course. It is strongly recommended that students seek academic advisement before deciding to repeat any course.

Only the highest grade earned will be used in calculating the grade point average and credit may be earned only once for a particular course. For purposes of this policy, courses for which a student has not received a final grade (e.g. "W" or "I") are not considered repeats and will not be

# Academic Regulations

included in the course repeat count. Students may not apply the course repeat policy to courses once they have graduated.

\*Dual Enrolment students, who fail or wish to earn a higher grade, should consult the Director of the Centre for Learning and Academic Success as permission must be granted by the Ministry of Education.

## EXAMINATIONS

All examinations are governed by the full Academic Regulations outlined in the Bermuda College catalogue. All students should ensure they have read and fully understand the regulations before sitting an examination. An examination shall be held for each course upon its conclusion under authority of the Registrar.

- Students are responsible for noting the dates and times of their examinations.
- Students who fail to write the final exam are deemed to have not completed the course and therefore will receive a grade of “F”; as such, **it is the student’s responsibility to report exam conflicts.**
- Exam conflicts must be reported to the Registrar before the end of mid-semester break.
- The minimum weighting for final exams shall be 30% of the total grade.
- The examination shall be sat at such time and place as shall be determined by the Registrar and published on official notice boards.
- A current Bermuda College ID card will be required in order for students to sit a final exam.

### Online Examinations

Online exams can be administered via live streaming or open exams (normally available for 24 hours); students are expected to start the examinations at an appropriate time to enable completion of the exam within the assigned amount of time.

- Unless specified, online exams are Closed Book. This means students are not permitted to:
  - Refer to course notes,
  - Access resources throughout the examination, and
  - Use AI programmes.
- Students are strictly forbidden to communicate with anyone during an examination. The following will be considered serious misconduct:
  - Co-operating with any other students (including using chats and/or other forums) when completing an examination,

- Disseminating examination content prior to, during or after an examination, and
- Presence of others and/or interaction with other people.

Your faculty may require the use of a webcam and/or mic for online exams; failing to follow faculty instructions may result in unfair academic advantage and can be considered misconduct.

As a student, it is your responsibility to review your course syllabus and the technical requirements. Failure to follow instructions may result in unfair academic advantage.

### Accessibility Services

Students with disabilities and/or medical conditions who require accommodations for examinations must notify the Coordinator of Accessibility Services in the Counselling & Career Centre once the exam schedule is published or at least three (3) working days prior to the exam period.

### Early Exit Exam Policies

1. Complete early exit examination application.
2. Submit completed application to respective Division under which the course resides.
3. The examination cannot be written later than the first day of classes after the mid-semester break.
4. Division will contact student with necessary exam details.
5. Lecturers will submit grade to Division head.
6. Division head will forward grade to the SERR office.

### The following conditions pertain to this examination process:

- Student must be officially registered in the course.
- There is no refund given for the course.
- An early examination for a course can be written only once during a semester.
- Once the examination is written, the grade is final, and the student does not have the option of remaining in the course.
- If the application is successful, the Division head and lecturer will establish the most appropriate means of examination (written, oral, lab or practical examinations, essays or any combination thereof) and will notify the student.

The grade will be calculated in the student’s GPA.

### Deferred Examinations

Students may be allowed to take an examination at other than the scheduled time if one of the following reasons applies:

- Incapacity due to illness or accident;
- Death in the immediate family;
- Absence in the public interest.

# Academic Regulations

## Application, with supporting documents, must be made to the Registrar

If the application is approved, an “I” will be assigned under the conditions set out under Incomplete Work. (see pg. 14)

## Examination Grades

Examination Grades are awarded on the same scale as those under Assessments and Grades. (see pg. 14)

## Re-sit Examinations

The Division head, upon petition in writing by a lecturer or student, may grant permission to a student who is in good academic standing to re-sit a final examination in a course for which a student has:

- Successfully completed/passed the course work;
- Attempted and failed in the final examination.

When it is in the judgment of the Division head, in consultation with the lecturer, that the student’s performance has been affected by illness or other adverse influence, the student will be formally notified.

The result of a Re-sit Examination supersedes the original examination grade and is considered with the Consolidated Grade to provide the Final Grade.

## ACADEMIC RECORDS

A student’s academic record is released by the Bermuda College Registrar only upon written request from the student or other persons authorised by the student. Exceptions may be made in response to a subpoena, court order, or as indicated during the admissions process.

## Transcripts of Academic Records

Official transcripts of academic records may be requested online through [www.college.bm/alumni/transcripts](http://www.college.bm/alumni/transcripts). Official transcripts will not be issued for students who have a financial obligation or other outstanding commitment to Bermuda College until the obligation is cleared.

Transcripts from other institutions submitted to Bermuda College become property of Bermuda College and cannot be reproduced or mailed to other institutions, agencies or individuals as an unofficial or official transcript.

## Report of Grades

After each assessment, the student may access grades via the Bermuda College portal.

The following notations may appear:

<b>CR</b>	(Credit Granted)
<b>EX</b>	(Exemption but no credit granted)
<b>P</b>	(Pass)
<b>NP</b>	(No Pass)
<b>TR</b>	(Transfer Credit Granted)
<b>W</b>	(Withdrawal without Penalty)
<b>RW</b>	(Required Withdrawal)

The Report of Grades on the Bermuda College portal is unofficial, and may **not** be used as an official transcript of the student’s academic record.

## ACADEMIC RECORDS POLICY

For those applicants who become students, copies of applications for admission, along with related information, are kept in the Student Enrollment, Registration and Records (SERR) Office for a period of five years after the student has left and/or graduated from the College. Pertinent admission information and all college courses taken and/or registered for are maintained in the student records database indefinitely.

## PRESIDENT’S/VICE PRESIDENT’S LIST

In order to be named to the President’s or Vice President’s list, a student must be admitted and enrolled in an associate degree, diploma, or certificate programme. The student must have completed at least 24 credits of the programme, within no more than three years of having enrolled in a programme, with a cumulative GPA of 3.5-4.00 for the President’s List or 3.0-3.49 for the Vice President’s List.

## GRADUATION

1. Graduation is not automatic. Students must submit an Application for Graduation to the Registrar in anticipation of graduating from a programme of study in the ensuing commencement. This application, along with a non-refundable graduation fee (\$90.00), must be submitted by the date indicated in the Sessional Dates in the year in which they expect to graduate. This application ensures that the applicant’s academic record will be reviewed by the Division responsible for the programme of study to determine that all requirements have been completed.



2. To graduate, students must:
  - a) Follow the catalogue in effect when he/she enrolled in a programme of study. If a student changes his/her programme of study, he/she will be required to follow the catalogue for the year in which one made the change. If programme requirements change during a student's course of study then he/she may opt to complete the new requirements.
  - b) Students who have returned to the College after two or more academic years of absence must follow the programme requirements at the time of re-admission to the College.
  - c) Notify the Registrar if completing requirements at another institution.
  - d) Submit official transcripts from other institutions to the Admissions Office for transfer of credit.
  - e) Successfully complete each of the requirements described under the Programme Requirements for the particular associate degree, diploma, or certificate programme;
  - f) Obtain a final programme GPA of at least 2.00;
  - g) Graduation requirements in professional programmes (such as Nursing) will be determined by the course requirements stated in the catalogue under which the student was officially admitted into the professional programme of study.
  - h) Discharge all financial obligations to the College.
  - i) Discharge all library obligations to the College.
3. Students are responsible for ensuring that they meet all academic requirements to graduate from a programme of the College.
  - a) The List of Graduates, comprising the names of all students determined to have successfully completed all requirements of a programme, will be posted by the Registrar on official College notice boards at the date listed in the Sessional Dates and will be presented by the Registrar for approval by Council.
  - b) The Commencement ceremony signifies the successful fulfilment by students of the College's requirements and standards. Students have not complied with all requirements of a programme of the College until they have been conferred with an associate degree, diploma, or certificate from the College at Commencement
  - c) Conferring of degrees is held each year in May and January (pending sufficient numbers). Students completing programme requirements as under Section 2 above thereafter will normally apply to graduate at the ensuing Commencement. In the interim, students may secure a statement from

the Registrar testifying to their completion of requirements and their having filed an Application for Graduation.

- d) Students may elect to graduate in absentia, provided that they have notified the Registrar in writing not later than two days after the Registrar has posted the List of Graduates that they will not be participating in Commencement.
4. Students graduating with a Programme GPA in the range of 3.00 to 3.49 will be designated as having Graduated with Merit. Those with a Programme GPA of 3.50 or greater will be designated as having Graduated with Distinction. These designations will appear on the official signed and embossed associate degrees and certificates of the College.
5. Late applications for graduation will be accepted up to 48 hours after the graduation list has been posted. Applications submitted and/or accepted after that time will be confirmed for graduation at a meeting of Academic Council. Those persons will be included on the next graduation list and their academic transcripts will show that their degrees will be conferred at the following Commencement.

## AWARDING MULTIPLE DEGREES

A student who already holds a Bermuda College degree may earn additional degrees in a different programme. Students seeking to complete two degrees simultaneously will also need an additional 24 credits to meet the programme requirements of the second degree. In some cases, this may require preapproval of credits in a related field in order to reach the required total number of credits.

**NOTE:** Completion of the requirements of an additional degree does not automatically constitute conferral of such degree. Students must submit an Application to Graduate.

## STUDENT CODE OF CONDUCT

Students will be expected to follow the rules and regulations set forth in the Student Code of Conduct available on the the BC App, Moodle, and Bermuda College website [www.college.bm](http://www.college.bm), or from the Counselling & Career Centre.

# Academic Regulations

## MINOR STUDENTS AND PARENTS/GUARDIANS AT BERMUDA COLLEGE

Students under the age of 18 who are enrolled in courses with Bermuda College are classified as **minor students**. This includes those students formally enrolled in the Dual Enrolment programme. When a minor student registers for courses or accepts admission into a programme of study at Bermuda College he/she elects to enter an environment designed for adult learners.

### Minor Student Responsibilities

- Dual enrolment students should work with the Dual Enrolment Coordinator to develop an approved course plan to support registration for classes. All other minor students should work with their academic advisors, Division head, or a representative from SERR for this purpose.
- Minor students shall conform to the College's Academic Rules and Regulations and the Code of Conduct expected of all College students.
- Minor students are responsible for reviewing and abiding by all academic policies as listed in Bermuda College catalogue, Student Handbook, all other College publications, and the College website.

## PARENT/GUARDIAN INFORMATION

Minor students are treated like every other Bermuda College student. This includes the application of privacy with respect to his/her student record. Please note that academic information is only released with the written consent of the student.

The College environment is designed for adult learners and as such:

- Students will be exposed to a diverse population in education programmes which may also involve sensitive topics that might be considered controversial or offensive to some.
- College-level course work is much more rigorous and much less guided than secondary education course work.
- Instructors cannot discuss students' attendance, grades or progress with parents over the phone and/or in person without written consent of the student.
- Parents will not be included in the initial meetings held by faculty and/or a counselor with a student.
- Instructors will not inform parents when classes are cancelled at the last minute or when class ends prior to the scheduled time.
- In the case of grade appeal, students must adhere to the general policy published in Bermuda College catalogue and/or Student Handbook.

## LABORATORY FEES

Some courses with labs at Bermuda College have lab fees attached to them. *(Please refer to pg. 26 for details.)*

## IT HELPDESK SUPPORT

### GET CONNECTED

- **BC username & password** – This will be received when your registration is complete. Please refer to your acceptance letter for the format. You will be prompted to change your password the first time you login.  
**NOTE:** Login to your email FIRST to change your password. Beginning August 2023, the minimum password length will be increased to 12 characters (letters, numbers, and special symbols). Your username and password is required when accessing ALL BC network services (noted below).
- **Email** – All students are assigned a BC email address ([username@college.bm](mailto:username@college.bm)). Once you are registered you MUST use this e-mail address for ALL BC correspondence, particularly with your lecturers.
- **Printing** – The student colour printer is PR-G328 directly across from the IT Helpdesk. There are also printers in the computer labs. Printing is also available via [print.college.bm](http://print.college.bm) by logging in with your username and password. The print quota is 100 pages per month.
- **Moodle** – The majority of your classes will be offered through the Learning Management System (LMS) Moodle. Your lecturer will provide you with all information relating to your class in Moodle. Moodle is available 24/7. Additional campus guidelines and useful information, technical tutorials, etc. are also available in Moodle.
- **Wireless access** – To access the BC wireless network you must authenticate with your username and password on any device – i.e. phone, tablet, laptop, computer lab, etc.  
**NOTE:** Beginning August 2023, remote access to the College IT services will require a multifactor authentication, i.e. in addition to your username and password, you will be required to present another item to gain access.

### Computer Lab Locations

North Hall (G); G305, G306, G307, G223, G323

Mac Lab: G206

Tech Hall (T): T224 & T226

Brock Hall (B): B266 (Open lab)

The College Library – there are several workstations available for use.

# Academic Regulations

## IT Policies & Guidelines

- All users of BC computers facilities and information must comply with the BC Information Technology policies.
- These policies protect BC's computer systems, networks, data and other information resources.
- It is the responsibility of students and employees of Bermuda College to familiarise themselves with the IT policies and procedures.
- The IT policies are located on the BC website ([www.college.bm](http://www.college.bm)) and in Moodle ([moodle.college.bm](http://moodle.college.bm)).

## IT Help and Support

- The IT Helpdesk is located in North Hall (G328) on the third floor.
- To create a ticket for support, login to the Helpdesk system or send an email to [support@college.bm](mailto:support@college.bm)
- Helpdesk support is also available via telephone, email or in person.
- The Helpdesk is the central point of contact for campus computing.

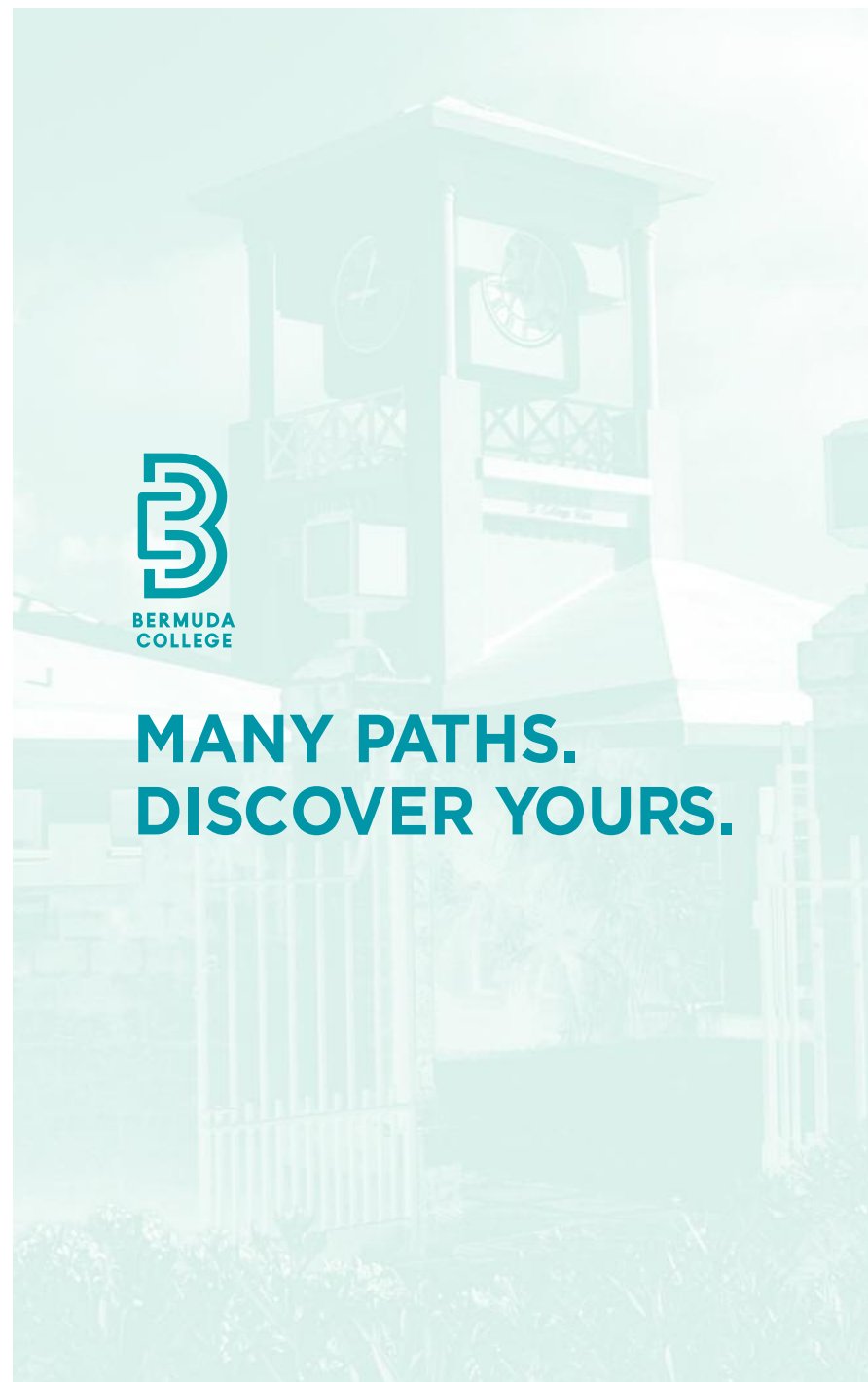
**Contact Information:** Telephone: (441) 239-4357 (help)  
Email: [support@college.bm](mailto:support@college.bm)

**Hours of Operation:** Monday - Friday 8:30am - 7:30pm  
Friday 8:30am - 5:30pm  
Closed Weekends

**NOTE:** Hours of operations are reduced during semester breaks.

## STUDENT EMPLOYMENT & ONLINE SERVICES

- Student employment is available and encouraged at the IT Helpdesk.
- Key skills are developed at the Helpdesk that can be beneficial for future employment.
- Students are allowed to work 20 hours per week when classes are in and more during breaks depending upon need.
- All applications must go through the Career & Counselling Centre (CCC).
- Download the BC App TODAY! Just visit the App store or Google Play to download.
- Hoonuit (Who New It) eLearning Resources – with your BC username & password gain access to hundreds of online tutorials on hundreds of various applications. Once you log into Moodle scroll down until you see the link. Keep eLearning!



# Tuition Payment

## PAYMENT INFORMATION

- All tuition is payable in advance. Students whose accounts are in arrears for any reason, will be denied grade reports, transcripts, personal recommendations, withdrawal in good standing, permission to register for further courses and the right to graduate, until all obligations have been settled.
- If your fees change for any reason after your initial payment is made (i.e. lab fees, change in schedule, etc.), it is the student's responsibility to ensure prompt payment of the balance.
- All statements are available through the Student Portal. A student can log in using his/her user ID and password. The online bill reflects the student's current registration and billing information. The statement system is 'live' and students can verify that all fees are satisfied before the payment deadline.

## PAYMENT METHODS

- **Bermuda College Online Payments** (using credit cards) (American Express not accepted)
  - On the College website ([www.college.bm](http://www.college.bm)), under Quicklinks
  - On the Student Portal under My Account
  - On the College App
- **Local Banks Bill Payments** through (HSBC, Butterfield Bank and Clarien Bank).
- **Bank Account Transfer - Personal Banking.** Please contact [bcaccountsreceivable@college.bm](mailto:bcaccountsreceivable@college.bm) to receive bank account details to perform a transfer.
- **Business Office Front Desk**, College Centre 2nd floor. Major credit cards are accepted (*American Express not accepted*). Cheques should be made payable in Bermuda or US funds to Bermuda College.

## COLLEGE WEBSITE

[www.college.bm/payment](http://www.college.bm/payment)

**STUDENT PAYMENT**

Amount owed can be found by signing in to the Student Portal with your college username and password.  
Click Menu > My Account > Account Information  
View instructions on how to make payments for current students.

Amount \*

Payment For \* ☐ Application fee ☐ CPT fee

Student Number \*

First Name \*

Last Name \*

Email \*

Address \*

## STUDENT PORTAL (MY BC)

**BERMUDA COLLEGE**

**MENU**

- Campus Info
- Academics
- Moodle
- My Account
- My Financial Aid
- My Career
- My Documents
- Student Resources
- Account Information
- Pay Online
- My Message Center
- My Address
- Document Center



# Tuition Policies and Fees

## PAYMENT AGREEMENTS

Payment agreements are available to Bermuda College students. Please visit or email the Business Office for details:

[bcaccountsreceivable@college.bm](mailto:bcaccountsreceivable@college.bm)

## MISCELLANEOUS FEES *(non-refundable)*

Application fee	<b>\$ 50.00*</b>
International application fee	<b>\$100.00</b>
Late application fee	<b>\$ 75.00</b>
Graduation fee	<b>\$ 90.00</b>
Laptop rental fee	<b>\$250.00</b>
Admissions deposit fee	<b>\$200.00</b>

\* The application fee is valid for two academic years (four semesters) only, student must reapply after two years.

## COURSE AUDIT FEES

**50%** of full cost per credit course

## LATE REGISTRATION FEES

Applied after last day of registration as follows:

1 COURSE	<b>\$ 100.00</b>
2 COURSES	<b>\$ 150.00</b>
3+ COURSES	<b>\$200.00</b>

## LATE PAYMENT FEE

A late payment fee of **\$100** applies to all outstanding balances after the agreed payment deadline dates. Holds will be applied after deadlines have passed.

## TRANSCRIPT FEES

[www.college.bm/alumni/transcripts](http://www.college.bm/alumni/transcripts)

ELECTRONIC FEES	<b>\$15.00</b> <i>(Free transcript with graduation packet)</i>
MAILED	<b>\$17.50</b> <i>(inside USA)</i> <b>\$20.00</b> <i>(outside USA)</i>
PICK UP	<b>\$25.00</b>
COURIER FEES*	<b>\$40.00</b> <i>(inside USA)</i> <b>\$62.50</b> <i>(outside USA)</i>

*\*(Courier option available only online.)*

## I.D. REPLACEMENT LOST/STOLEN

In the event that one's ID Card is lost or damaged as a result of personal neglect, the following fees shall apply for replacement of the card:

ID REPLACEMENT	<b>\$15.00</b> <i>(Student)</i>
	<b>\$20.00</b> <i>(Faculty &amp; Staff)</i>

Any ID card that may require replacement as a result of normal wear and tear will be replaced at no cost to the bearer. **NOTE:** The Security Office will be the sole judge of 'normal'.

## DROPPING, WITHDRAWAL & REFUND POLICY

Students are responsible for any fees incurred. Dropping or withdrawing from a class(es) is not an automatic process. It is the student's responsibility to officially drop the classes he/she is not attending or no longer wishes to be enrolled. Unwanted classes should be dropped as early as possible before the start of the term in order to receive a full refund and release seats for students on the wait lists. The Drop and Withdrawal Form must be submitted to the Student Enrolment Registration and Records (SERR) Office.

## WITHDRAWALS & REFUNDS

**FULL REFUND** prior to the first day of class for each semester.

**PARTIAL TUITION REFUND** of 30% on or before the financial penalty date.

**NO REFUND** after the tenth day of class for each semester.

Students are responsible for fees if courses are dropped after the financial penalty date.

**NOTE: Withdrawal from any course is a formal process. Non-attendance of class does not constitute an official withdrawal.**

## OTHER

Students will be charged for damages occurring to Bermuda College property.

As a member of the Bermuda Credit Association (BCA), all overdue accounts are referred to the BCA. The student will agree to pay all agency charges, legal costs and other expenses incurred by Bermuda College in attempting to recover overdue amounts.

## BERMUDIAN STUDENTS

**TUITION SCHEDULE** (*per semester*): The tuition total is based on the number of credits to which students are registered. Most courses are 3 credits, however, there are some exceptions, e.g. CSC and lab courses.

The fees below also apply to non-Bermudians who have resided in Bermuda for at least 5 consecutive years.

# CREDITS	TOTAL
1	170.00
2	340.00
3	510.00
4	680.00
5	850.00
6	1020.00
7	1190.00
8	1360.00
9	1530.00
10	1700.00
11	1870.00
12	2040.00
13	2210.00
14	2380.00
15	2550.00
16	2720.00
17	2890.00
18	3060.00

**19+ CREDITS: \$170 X TOTAL CREDITS = TOTAL COST**

## FINANCIAL AID

Bermuda College Financial Aid (BCFA) is a financial needs-based programme that provides support for enrolment during the Fall and Spring semesters. A successful applicant may receive up to 80% of his/her educational costs (tuition and lab fees).

### APPLICANTS MUST:

1. Hold Bermuda Status ["Citizen" in CampusNexus the College Database]
2. Be enrolled in a programme of study offered by the Division of Arts & Science, the Division of Business, Hospitality & Technical Education, or the Division of Nursing & Allied Health
3. Be registered for a minimum of six (6) credit hours
4. Have a minimum semester GPA of 2.00 (current students)

**NOTE:** Textbooks and other instructional supplies and materials are to be paid separately.

## RESIDENT INTERNATIONAL

**RESIDENT INTERNATIONAL STUDENTS:** Students who are not Bermudian and have been on the Island for less than five years. These students will have to pay the resident international fees.

**TUITION SCHEDULE** (*per semester*): Fees are made up of tuition and an international differential. The total is based on the number of credits for which students register. Most courses are 3 credits, however there are some exceptions, e.g. CSC and lab courses.

# CREDITS	TUITION PER CREDIT	DIFFERENTIAL FEE	TOTAL
1	170.00	125.00	295.00
2	340.00	250.00	590.00
3	510.00	375.00	885.00
4	680.00	500.00	1180.00
5	850.00	625.00	1475.00
6	1020.00	750.00	1770.00
7	1190.00	875.00	2065.00
8	1360.00	1000.00	2360.00
9	1530.00	1125.00	2655.00
10	1700.00	1250.00	2950.00
11	1870.00	1375.00	3245.00
12	2040.00	1500.00	3540.00
13	2210.00	1500.00	3710.00
14	2380.00	1500.00	3880.00
15	2550.00	1500.00	4050.00
16	2720.00	1500.00	4220.00
17	2890.00	1500.00	4390.00
18	3060.00	1500.00	4560.00

**19+ CREDITS: \$170 X TOTAL CREDITS + \$1500 = TOTAL COST**

## INTERNATIONAL STUDENTS

**TUITION SCHEDULE** (*per semester*): Fees are made up of tuition and an international differential. The total is based on the number of credits for which students register. Most courses are 3 credits, however there are some exceptions, e.g. CSC and lab courses. Students must pay for the FULL academic year.

# CREDITS	TUITION PER CREDIT	DIFFERENTIAL FEE	TOTAL
12	2040.00	1500.00	3540.00
13	2210.00	1500.00	3710.00
14	2380.00	1500.00	3880.00
15	2550.00	1500.00	4050.00
16	2720.00	1500.00	4220.00
17	2890.00	1500.00	4390.00
18	3060.00	1500.00	4560.00

**19+ CREDITS: \$170 X TOTAL CREDITS + \$1500 = TOTAL COST**

**SAFETY  
FIRST**



## TECHNICAL EDUCATION

Please note lab fees for the following courses in Technical Education:

■ **\$35.00**

COURSE CODE	ELECTRICAL WIRING
ELN 1104	Conduit Fabrication
ELN 1107	DC Theory: OHM's Law
ELN 1108	The DC Series Circuit
ELN 1109	The DC Parallel Circuit
ELN 1110	The DC Combination Circuit
ELN 1111	Norton's and Thevenin's Theorems and Kirchoff's laws
ELN 2115	Understanding the Design and Function of AC and DC Generators
ELN 2116	Laying-Out Residential Circuits and Basic Estimating
ELN 3128	BJTs, MOSFETs & Other Transistor Types
ELN 3129	Differential & Operational Amplifiers
ELN 4145	The Allen Bradley SLC 500 Family PLC's
ELN 5150	Fire Alarm Systems
ELN 5154	Structured Cabling Systems
ELN 5155	Solar Power Generation and Fuel Cell Basics
COURSE CODE	ELECTRONICS TECHNOLOGY
ELT 1110	Pathways and Spaces, Fasteners and Anchors
ELT 1112	Hand Bending of Conduit and Low Voltage Cabling
ELT 2116	Computer Applications and Advanced Test Equipment
ELT 2117	Cable Selection, Buses & Networks and Fiber Optics
ELT 2118	Video Systems and Wireless Communications
ELT 2119	Site Survey, Project Planning, Maintenance and Repair
ELT 2120	Introductory Skills for the Crew Leader and Rack Systems
ELT 3121	Fire Alarm and Intrusion Detection Systems
ELT 3122	Audio, Nurse Call and Signalling Systems
ELT 3123	CCTV and Broad Band Systems
ELT 3124	Access Control Systems and Systems Integration
ELT 3125	System Commissioning, User Training and Media Management



# Lab Fees

## TECHNICAL EDUCATION

Please note lab fees for the following courses in Technical Education:

■ \$35.00

COURSE CODE	HEATING, VENTILATION & AIR CONDITIONING TECH.
HVA 1101	Fundamentals of Heating and Cooling
HVA 1102	Mechanical Maintenance
HVA 1103	HVAC Controls
HVA 1104	Refrigeration Systems Service
HVA 1105	Senior Student Project I
HVA 1106	Troubleshooting Heating
HVA 2107	Troubleshooting Cooling
HVA 2108	Hydronics
HVA 2109	Senior Student Project II
HVA 2110	System Performance
HVA 2111	Energy Management
HVA 2112	System Design
COURSE CODE	MOTOR VEHICLE TECHNOLOGY
MVT 1104	Electrical Systems
MVT 1105	Battery/Charging Systems
MVT 1106	Starting Systems
MVT 1101	Ignition Systems
MVT 1102	Fuel/Exhaust Systems
MVT 1103	Exhaust Emissions Systems
MVT 2107	Braking Systems
MVT 2108	Hydraulic Brake Systems
MVT 2109	Anti-Lock Brake Systems
MVT 2110	Steering Systems
MVT 2111	Power Steering Systems

Please note lab fees for the following courses in Technical Education:

■ \$35.00

COURSE CODE	PLUMBING TECHNOLOGY
PLM 1102	Conduit Fabrication
PLM 1103	DC Theory: OHM's Law
PLM 1104	The DC Series Circuit
COURSE CODE	WOOD TECHNOLOGY
WTC 1101	Orientation, Materials, Fasteners, Hand and Power Tools
WTC 1102	Floor, Wall, Ceiling and Roof Framing
WTC 1104	Drawings; Cold Steel Framing; Exterior Framing and Roof Applications
WTC 1105	Drywall Installation; Drywall Finishing; Suspended Ceilings.
WTC 1106	Doors & Amp; Hardware; Windows, Door-ceiling Trims; Cabinets
WTC 2107	Properties of Concrete, Reinforcing, Handling and Placing Concrete
WTC 2108	Rigging Equipment, Rigging Practices; Trenching and Excavating
WTC 2109	Foundations and On Grade Slabs, Vertical and Horizontal Formwork
WTC 2110	Advanced Roof Systems, Floor Systems and Wall Systems
WTC 2112	Site Layout II

# Lab Fees

## CULINARY ARTS

Please note lab fees for the Introduction to Culinary Arts (CUL 1102) will be applied as follows:

■ \$100.00

COURSE CODE	CULINARY PROGRAMME
CUL 1102	Introduction to Culinary Arts *

\* Fire Safety/CPR/First Aid component for students in this course

Please note lab fees for the following courses in Culinary Arts will be applied as follows:

■ \$100.00

COURSE CODE	CULINARY PROGRAMME
CUL 1105	Meat ID and Fabrication
CUL 1108	Introduction to Preparation of Stocks, Soups, Sauces
CUL 1109	Introduction to Vegetable and Starch Cookery
CUL 1110	Introduction to Cooking Methods
CUL 1111	Introduction to Production Cookery
CUL 1112	Breakfast and Short Order Cookery
CUL 1114	Seafood Cookery
CUL 1116	Introduction to the Larder (Garde Manger)
CUL 1117	Introduction to Baking and Pastry
CUL 1122	Introduction to Caribbean and Bermudian Cuisine
CUL 1127	Oriental Cuisine
CUL 1128	International Cuisine
CUL 1129	Italian Cuisine
CUL 1130	American Regional Cuisine
CUL 2124	Techniques in Healthy Cooking
CUL 2127	Advanced Production Cookery and Innovative Techniques

# Lab Fees

## SCIENCE

Please note lab fees for the following courses in the Division of Arts & Science:

■ \$50.00

COURSE CODE	BIOLOGY
BIO 0013	Preparatory Biology
BIO 1121	Principles of Biology I
BIO 1122	Principles of Biology II
BIO 2210	Cellular Biology
BIO 2211	Anatomy and Physiology I
BIO 2212	Anatomy and Physiology II
BIO 2222	Medical Microbiology
BIO 2250	Medical Nutrition
BIO 2298*	Special Topics in Biology
COURSE CODE	CHEMISTRY
CHM 0013	Preparatory Chemistry
CHM 1111	Principles of Chemistry I
CHM 1112	Principles of Chemistry II
CHM 2256	Organic Chemistry I
CHM 2257	Organic Chemistry II
CHM 2298*	Special Topics in Chemistry
COURSE CODE	EARTH & ENVIRONMENTAL SCIENCE
EES 1101	Environmental Science
EES 1102	Climate and Our Future
EES 1103	Discover Our World
EES 1105	Introduction to Oceanography
EES 2298*	Special Topics in Earth & Environmental Science
COURSE CODE	PHYSICS
PHY 0013	Preparatory Physics
PHY 1121	Principles of Physics I
PHY 1122	Principles of Physics II
PHY 2298*	Special Topics in Physics

\*Depending on course requirements

## NURSING AND ALLIED HEALTH

Please note lab fees for the following courses in the Division of Nursing & Allied Health:

■ \$175.00

COURSE CODE	NURSING
NUR 1101	Introduction to Professional Nursing
NUR 1150	Nursing Fundamentals
NUR 2200	Psychiatric Nursing
NUR 2201	Medical Surgical Nursing
NUR 2235	Pharmacology
NUR 2240	Family Health Nursing
NUR 2250	Adult Health
NUR 2251	Adult Health Practicum

## Bermuda College Instructional Formats

Bermuda College subscribes to the notion that not all learning does or needs to occur within a brick-and-mortar classroom environment. Bermuda College affords students flexible approaches to course completion including the use of twenty-first century technologies via the Internet and e-learning adaptive learning support. Students who enrol in courses at Bermuda College can expect course formats to be offered using a variety of methodologies and instructional delivery approaches. Bermuda College also acknowledges that students process information in a variety of ways. Students should expect varied learning modalities to be addressed via course delivery methodologies utilised by faculty in teaching their respective courses. Therefore, instructional approaches that address students' auditory, tactile/kinesthetic, sensory, and visual modalities are emphasised in the delivery of course content. Course descriptions listed within the College catalogue and Course Schedule indicate the instructional delivery approach(es) that will be utilised in the course.

### FACE-TO-FACE

Traditional face-to-face classroom time is the dominant form of instruction. Some course content is accessible online. A course management system may serve as a repository for accessing online course content. Due to conditions such as the recent pandemic, and in accordance with the government guidelines, remote learning may temporarily replace face-to-face instruction.

### BLENDED/HYBRID

These are face-to-face class formats with more online instruction substituting traditional lecture time. Faculty will designate face-to-face lecture hours and online instructional time periods to be specified in the course syllabus. A notation blended/hybrid will be listed under the lecturer's name.

### DISTANCE

Most of the instructional content is delivered online. Such courses have the designation D (Distance) in their section code. Face-to-face campus meetings may vary from three per semester to zero for fully online formats. Fully online course formats will conduct a traditional face-to-face Final Exam to be held on campus upon completion of the course content.





## Area of Concentration

### NOTE ON PREPARATION FOR PROFESSIONAL PROGRAMMES

Certain overseas professional associations and institutions recognise specific Bermuda College courses in the areas of accounting and business administration, and grant exemptions from courses in their own professional training programmes. Students are advised to contact the organisation.

### CONCENTRATIONS AND SUBJECTS OF STUDY

NOTE: Candidates should note that the approved courses indicated under each of the following subjects of study are those described under the heading COURSE DESCRIPTIONS: Associate Degree Courses.

These courses will earn general and elective credits in an associate degree programme, unless otherwise specified.

#### ACCOUNTING

Approved Courses: all coded ACC.

**Concentration in the Associate in Business Administration:**

ACC 1135, ACC 1145, ACC 2201, ACC 2202, ACC 2253, ACC 2254.

#### ART HISTORY

Approved Courses: all coded AHS.

**Concentration in the Associate of Arts:**

AHS 1126 and AHS 1127, 12 credits in AHS at the 2000-level.

#### BIOLOGY

Approved Courses: all coded BIO.

Note exclusions in the course descriptions.

**Concentration in the Associate of Science:**

BIO 1121, BIO 1122, and 3 BIO courses at the 2000-level.

#### CHEMISTRY

Approved Courses: all coded CHM.

Note exclusions in the course descriptions.

**Concentration in the Associate of Science:**

CHM 1111, CHM 1112, and 3 CHM courses at the 2000-level.

#### EARTH & ENVIRONMENTAL STUDIES

Approved Courses: all coded EES.

Note exclusion in the course descriptions.

**Environmental Science Concentration in the Associate of Science:**

EES 1101, 3 credits from EES 1102 - 1105 ; BIO 1121, BIO 1122, 6 credits from EES 2211, EES 2298 (not more than 3 credits from EES 2298), CHM at the 2000-level.

#### ENGLISH

Approved Courses: all coded ENG.

**Concentration in the Associate of Arts:**

6 credits in ENG 1111 and ENG 1112, 12 credits in ENG at the 2000-level.

#### FINE ART

Approved Courses: all coded ART.

#### FRENCH

Approved courses: all coded FRE.

**Concentration in the Associate of Arts:**

FRE 1101, FRE 1102, 12 credits in FRE at the 2000 level.

#### MANAGEMENT

Approved Courses: all coded MGN.

**Concentration in the Associate in Business Administration:**

MGN 1114, MGN 2217, 12 credits at the 2000-level from amongst MGN 2110, MGN 2210, MGN 2211, MGN 2222, MGN 2230, MGN 2240, MGN 2241, MGN 2245, MGN 2250 and MGN 2298.

#### MATHEMATICS

Approved Courses: all coded MAT.

Note exclusions in the course descriptions.

**Concentration in the Associate of Arts:**

MAT 1141, MAT 1152, 12 credits in MAT at the 2000-level (excluding MAT 2233 and MAT 2234).

#### PSYCHOLOGY

Approved Courses: all coded PSY and SSC.

Note exclusions in the course descriptions.

**Concentration in the Associate of Arts:**

PSY 1101, PSY 1102, SSC 2200, 9 credits in PSY at the 2000-level.

#### SOCIOLOGY

Approved Courses: all coded SOC and SSC.

**Concentration in the Associate of Arts:**

SOC 1101, SOC 1102, SSC 2200, 9 credits in SOC at the 2000-level.

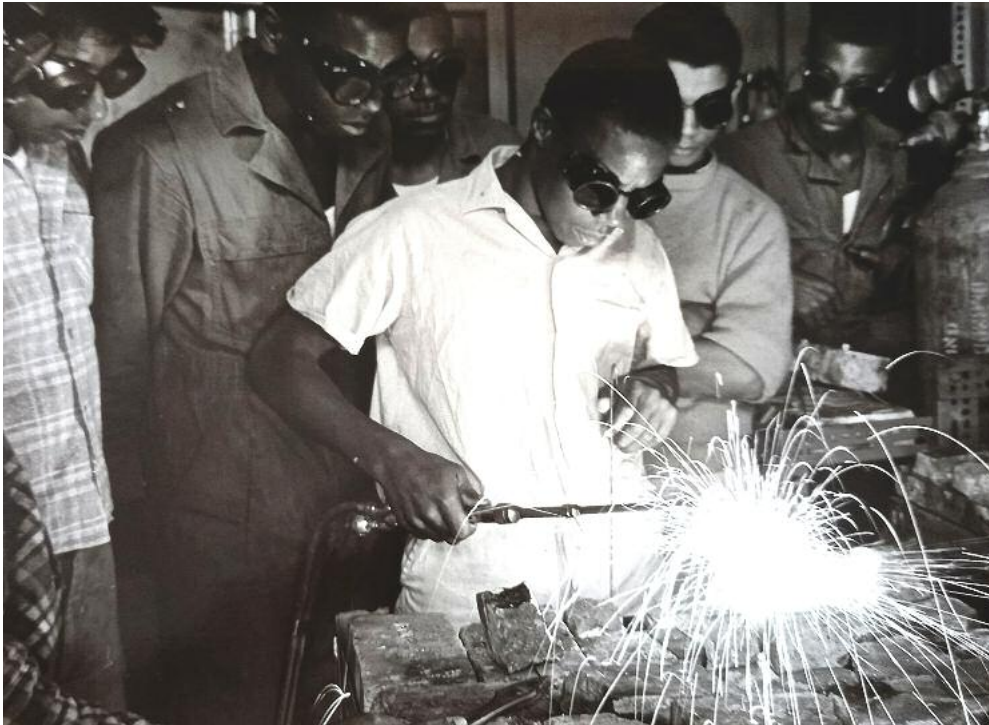
#### SPANISH

Approved courses: all coded SPA.

**Concentration in the Associate of Arts:**

SPA 1101, SPA 1102, 12 credits in SPA at the 2000 level.

Bermuda College welcomes everyone who has ever held the dream of further education...and the desire to learn.



**HERO'S WELCOME** — Education Minister the Hon. Gerald Simons was greeted by Hero 1, Bermuda College's resident robot when he opened a technology exhibition for school students in March.



**Top Left:** Metalworks students taking a City & Guilds of London Institute exam

**Top Center:** Royal Gazette highlight on Bermuda College robot, June 4, 1987

MANY PATHS.  
DISCOVER YOURS.



# ASSOCIATE DEGREE PROGRAMMES

**Associate degree programmes** provide the first two years of College that can be transferred to overseas universities or used to go directly into the workforce.

## ASSOCIATE DEGREE PROGRAMMES

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## GENERAL EDUCATION COMPONENTS:

### Humanities

Art and Design	Art History
Education	Film
French	History
Music	Philosophy
Religious Studies	Spanish
English at the 2000-level	

### Social Sciences

Economics	Political Science
Sociology	Psychology
Social Work	
Earth & Environmental Studies at 2000-level (EES 2221)	

### Natural Sciences

Biology	Chemistry
Earth & Environmental Studies	Physics

**NOTE:** The following are the suggested pathways for completing the programmes in two years; the actual time to completion may vary according to the student's individual needs.

**SEE PAGES 81 - 122 FOR COURSE DESCRIPTIONS.**

*\*The Foundation Diploma is specifically designed to facilitate credit transfer and/or the recognition of college level achievement for students who plan to continue their educational studies overseas.*

## PROGRAMME OVERVIEW

This two-year programme is designed to prepare students to meet the needs of the food service industry. Course offerings emphasise practical application, a strong theoretical knowledge base and provides the critical competencies to successfully meet industry demands. The programme is accredited by the American Culinary Federation (ACF) and includes core courses, electives and general education requirements. Students complete a 12-week internship at a local hotel or restaurant where they will rotate through different sections of a kitchen.

## CURRICULUM

TOTAL CREDITS: 74-78

## YEAR 1

## First Semester – 18 credits

CSC 1110	Learning Strategies for Student Success	1
CIS 1120	Introduction to Business Applications of Computers	3
ENG 1111	Freshman Composition	3
CUL 1102	Introduction to Culinary Arts	1
CUL 1105	Meat Identification and Fabrication	2
CUL 1108	Introduction to Preparation of Soups, Stocks and Sauces	2
CUL 1109	Introduction to Vegetable and Starch Cookery	2
CUL 1110	Introduction to Cooking Methods	2
CUL 1104	Sanitation and Safety	2

## Second Semester – 15 credits

CUL 1111	Introduction to Production Cookery	2
CUL 1112	Introduction to Breakfast and Short Order Cooking	1
CUL 1114	Seafood Cookery	2
CUL 1131	Nutrition	2
CUL 1116	Introduction to the Larder (Garde Manger)	2
CUL 1117	Introduction to Baking and Pastry	3
ENG 1112 or	Literary Analysis	
ENG 1115	Writing for Professionals	3

CUL 1119

## CULINARY ARTS INTERNSHIP

3

## YEAR 2

## First Semester – 20-22 credits

CUL 1128	International Cuisine	3
CUL 2124	Techniques in Healthy Cooking	2
CUL 1106	Purchasing & Product Identification	3
HMT 1155	Introduction to the Hospitality Industry	3
Elective	Humanities, Social Sciences or Natural Sciences elective*	3 or 4
Elective	Humanities, Social Sciences or Natural Sciences elective*	3
MAT 1107	Survey of Mathematics	3 or 4

## Second Semester – 18-20 credits

CUL 2127	Advanced Production Cookery and Innovative Techniques	2
CUL 1125	Food and Beverage Service	4
CUL 2118	Menu Planning	3
HMT 2255	Hospitality Supervision	3
Elective	Humanities, Social Sciences or Natural Sciences elective*	3 or 4
Elective	Humanities, Social Sciences or Natural Sciences elective*	3 or 4

\*Before one can be enrolled in any course one must satisfy the prerequisites.

FOR A LIST OF HUMANITIES, NATURAL SCIENCES AND SOCIAL SCIENCES, SEE PAGE 33.



## PROGRAMME OVERVIEW

Developed with the assistance of employers in this field, this competency-based, modularised programme usually takes two years to complete. Students will experience lectures, practical assignments, and self-directed activities as they proceed through the modules, working with a lecturer and being evaluated on a skills basis. In addition to instruction in the theoretical aspects of heating, ventilating and air conditioning repair, extensive practical experience in an internship is an integral part of the programme. Graduates will be eligible to receive an industry-recognised certificate in HVAC from the National Centre for Construction Education and Research (NCCER), and also meet the Bermuda National Training Board standard for entering the Heating, Ventilating, and Air Conditioning Technology trade.

**Prerequisite:** NCCER Core (8CR)

(Please see NCCER Courses starting on pg. 114)

## CURRICULUM

TOTAL CREDITS: 69

## YEAR 1

## First Semester – 15 credits

CSC 1110	Learning Strategies for Student Success	1
CIS 1120	Introduction to Business Applications of Computers	3
ENG 1111	Freshman Composition	3
MAT 1105	College Algebra I	3

## Career Concentration:

HVA 1101	Fundamentals of Heating and Cooling	5
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## Second Semester – 16 credits

ENG 1115	Writing for Professionals	3
MAT 1141	Pre-Calculus	3

## Career Concentration:

HVA 1102	Mechanical Maintenance	3
HVA 1103	HVAC Controls	3
HVA 1104	Refrigeration Systems Service	4

## YEAR 2

## First Semester – 20 credits

MGN 1114	Introduction to Business	3
PHY 1121	Principles of Physics I	4
Elective	Social Sciences elective	3

## Career Concentration:

HVA 1105	Senior Student Project I	2
HVA 1106	Troubleshooting Heating	3
HVA 2107	Troubleshooting Cooling	3
HVA 2108	Hydronics	2

## Second Semester – 18 credits

MGN 2245	Introduction to Small Business Management	3
PHY 1122	Principles of Physics II	4

## Career Concentration:

HVA 2109	Senior Student Project II	2
HVA 2110	System Performance	3
HVA 2111	Energy Management	3
HVA 2112	System Design	3

## PROGRAMME OVERVIEW

Tourism remains a cornerstone of Bermuda's economy and this two-year programme is designed to prepare students to enter the hospitality industry on a management-training track either locally or overseas. It includes both theoretical and practical components. Courses about front-line hospitality processes are combined with those on facilities management and business practices.

A core part of the programme is the work experience that students acquire during the training component in hospitality organisations either in Bermuda or overseas.

## CURRICULUM

TOTAL CREDITS: 67-71

## YEAR 1

## First Semester – 16 credits

CSC 1110	Learning Strategies for Student Success	1
ENG 1111	Freshman Composition	3
FAB 1100 or	Food Service I	
CKN 1102	Kitchen Theory and Practice	4
CUL 1104	Sanitation & Safety	2
HMT 1155	Introduction to the Hospitality Industry	3
MGN 1114	Introduction to Business	3

## Second Semester – 18 credits

ACC 1135	Accounting I	3
HMT 1120	Introduction to Lodging Management	3
CIS 1120	Introduction to Business Applications of Computers	3
ENG 1115	Writing for Professionals	3
FAB 1100 or	Food Service I	
CKN 1102	Kitchen Theory and Practice	4
CUL 1131	Nutrition	2

## HMT 1175 HOTEL MANAGEMENT INTERNSHIP

3

## YEAR 2

## First Semester – 15-17 credits

ACC 1145	Accounting II	3
MAT 1107	A Survey of Mathematics	3
HMT 1265	Hospitality and Sales Marketing	3
Elective	Humanities, Social Sciences or Natural Sciences elective*	3 or 4
Elective	Humanities, Social Sciences or Natural Sciences elective*	3 or 4

## Second Semester – 15-17 credits

HMT 2255	Hospitality Supervisory Practices	3
HMT 2260	Food and Beverage Management	3
MGN 1116	Tourism	3
Elective	Humanities, Social Sciences or Natural Sciences elective*	3 or 4
Elective	Humanities, Social Sciences or Natural Sciences elective*	3 or 4

\*Before one can be enrolled in any course one must satisfy the prerequisites.

FOR A LIST OF HUMANITIES, NATURAL SCIENCES AND SOCIAL SCIENCES, SEE PAGE 33.

## PROGRAMME OVERVIEW

The Associate of Applied Science of Motor Vehicle Technology programme at Bermuda College has been developed by the Bermuda College, the National Training Board (NTB), and the automotive industry.

The curriculum is designed to meet international and local standards, with the intent that students are competent to sit the Automotive Service Excellent (A.S.E.) and City & Guilds Automotive Technology certifications from the U.S.A. and London, England. This modularised programme takes two years to complete. Students will experience lectures, practical assignments, and self-directed activities. Additionally, industry experience will be a required component of the curriculum as students progress through the modules, working with the lecturer and being evaluated on a skills basis.

Upon completion, students will be eligible to receive an industry-recognised degree in automotive technology from Bermuda College and enter the automotive industry as a second-year apprentice automotive technician.

**Prerequisite:** NCCER Core (8CR)

(Please see NCCER Courses starting on pg. 114)

## CURRICULUM

TOTAL CREDITS: 54

## YEAR 1

## First Semester – 19 credits

CSC 1110	Learning Strategies for Student Success	1
CIS 1120	Introduction to Business Applications of Computers	3
ENG 1111	Freshman Composition	3
MAT 1105	College Algebra I	3

## Career Concentration:

MVT 1104	Electrical Systems	3
MVT 1105	Battery/Charging Systems	3
MVT 1106	Starting Systems	3

## Second Semester – 12 credits

ENG 1115	Writing for Professionals	3
MAT 1141	Pre-Calculus	3

## Career Concentration:

MVT 1101	Ignition Systems	2
MVT 1102	Fuel/Exhaust Systems	2
MVT 1103	Exhaust Emissions Systems	2

## YEAR 2

## First Semester – 13 credits

MGN 1114	Introduction to Business	3
PHY 1121	Principles of Physics I	4
Elective	Social Sciences elective	3

## Career Concentration:

MVT 2107	Braking Systems	1
MVT 2108	Hydraulic Brake Systems	1
MVT 2109	Anti-lock Brake Systems	1

## Second Semester – 10 credits

MGN 2245	Introduction to Small Business Management	3
PHY 1122	Principles of Physics II	4

## Career Concentration:

MVT 2110	Steering Systems	1
MVT 2111	Power Steering Systems	1
MVT 2112	Suspension Systems	1

FOR A LIST OF SOCIAL SCIENCES, SEE PAGE 33.

## PROGRAMME OVERVIEW

Developed with the assistance of employers in this field, this competency-based, modularised programme usually takes two years to complete. Students will experience lectures, practical assignments and self-directed activities as they progress through the modules, working with a lecturer and being evaluated on a skills basis. Graduates will be able to sit the City and Guilds Scheme 6129 Examinations and also meet the Bermuda National Training Board and the National Centre for Construction Education and Research (NCCER) standards for entering the plumbing trade.

**Prerequisite:** NCCER Core (8CR)

(Please see NCCER Courses starting on pg. 114)

## CURRICULUM

TOTAL CREDITS: 68

## YEAR 1

## First Semester – 18 credits

CSC 1110	Learning Strategies for Student Success	1
ENG 1111	Freshman Composition	3
MAT 1105	College Algebra I	3
CIS 1120	Introduction to Business Applications of Computers	3

## Career Concentration:

PLM 1101	Introduction to the Plumbing Profession, Safety and Tools	4
PLM 1102	Plastic Pipe, Copper, Cast Iron, Steel Pipe and Fittings	2
PLM 1103	Fixtures and Faucets, Drain, Waste and Vent Systems, Water Distribution Systems	2

## Second Semester – 16 credits

ENG 1115	Writing for Professionals	3
MAT 1141	Pre-Calculus	3

## Career Concentration:

PLM 1104	Commercial Drawings, Hangers and Supports, Installing DWV Piping	4
PLM 1105	Types of Valves, Installing Water Supply Piping, Installing Fixtures and Faucets	3
PLM 1106	Installing Water Heaters, Servicing Fixtures, Valves, and Faucets	3

## YEAR 2

## First Semester – 19 credits

MGN 1114	Introduction to Business	3
PHY 1121	Principles of Physics I	4
Elective	Social Sciences elective	3

## Career Concentration:

PLM 2107	Sizing Water Supply Piping, Potable Water Treatment	3
PLM 2108	Backflow Preventers, Types of Venting, Sizing DWV Systems	4
PLM 2109	Sewage Pumps, Compressed Air	2

## Second Semester – 15 credits

MGN 2245	Introduction to Small Business Management	3
PHY 1122	Principles of Physics II	4

## Career Concentration:

PLM 2110	Business Principles for Plumbers, Water Pressure Systems	3
PLM 2111	Codes, Private Water Supply Well Systems	3
PLM 2112	Swimming Pools and Hot Tubs, Plumbing for Mobile Homes	2

FOR A LIST OF SOCIAL SCIENCES, SEE PAGE 33.



## PROGRAMME OVERVIEW

In the academic world, Arts refer mainly to the disciplines of Humanities and Social Sciences.

In the first year of Bermuda College's Associate of Arts programme, students are given the opportunity to explore courses in the arts disciplines, as well as the science disciplines of mathematics and the natural sciences. In the programme's second year, students choose a subject of concentration from among the arts disciplines.

The Associate of Arts provides the foundation for careers in teaching, psychology, law, and writing, to name a few.

Students choosing this option will be able to transfer to universities abroad to further their studies in the arts as well as specialised non-arts degrees, such as Georgia State University's articulated Bachelor of Business Administration degree.

## CURRICULUM

**TOTAL CREDITS: 61-63**

### YEAR 1

#### First Semester – 16-17 credits

		Credits
CSC 1110	Learning Strategies for Student Success	1
ENG 1111	Freshman Composition	3
Elective	Humanities course (1100-level) elective*	3
Elective	Mathematics or Computer Information Systems (1100-level) elective*†	3
Elective	Natural Sciences (1100-level) elective*	3 or 4
Elective	Social Sciences (1100-level) elective*	3

#### Second Semester – 15-16 credits

ENG 1112	Literary Analysis	3
Elective	Humanities course (1100-level) elective*	3
Elective	Mathematics or Computer Information Systems (1100-level) elective*†	3
Elective	Natural Sciences (1100-level) elective*	3 or 4
Elective	Social Sciences (1100-level) elective*	3

### YEAR 2

#### First Semester – 15 credits

A second year course in your subject of concentration. **	3
A second year course in your subject of concentration. **	3
Elective (2000-level) of your choice.*	3
Elective Humanities or Social Sciences (2000-level) elective*	3
Elective (1100-level) elective*	3

#### Second Semester – 15 credits

A second year course in your subject of concentration. **	3
A second year course in your subject of concentration. **	3
Elective (2000-level) elective*	3
Elective Humanities or Social Sciences (2000-level) elective*	3
Elective (1100-level) elective*	3

\*Before one can be enrolled in any course one must satisfy the prerequisites.

\*\*Concentration in Psychology or Sociology are required to take SSC 2200.

†CIS 1120 and 1125 cannot be used to fulfill this requirement.

**FOR A LIST OF COURSE CONCENTRATIONS, SEE PAGE 31.**

## PROGRAMME OVERVIEW

The Associate of Arts (Art and Design) is structured to provide students with the foundation for careers in Fine Arts and Graphic Design, while keeping pace with current career trends. Without limiting students to the traditional components, such as drawing and painting, the programme includes courses in colour, graphic design, and media arts. Traditional courses, such as Introduction to Drawing and Two- and Three-Dimensional Design, now include computer components.

## CURRICULUM

## TOTAL CREDITS: 61-63

## YEAR 1

## First Semester - 16 credits

CSC 1110	Learning Strategies for Student Success	1
AHS 1126	Introduction to Art History I	3
ART 1101	Introductory Drawing	3
ART 1120	Two-dimensional Design	3
ART 1135	Introduction to Colour and Composition	3
ENG 1111	Freshman Composition	3

## Second Semester - 15 credits

AHS 1127	Introduction to Art History II	3
ART 1102	Introductory Painting	3
ART 1122	Introductory Sculpture	3
ART 2235	Intermediate Colour and Composition	3
ENG 1112 or	Literary Analysis	
ENG 1115	Writing for Professionals	3

## YEAR 2

## First Semester - 15-16 credits

ART 2221	Intermediate Sculpture	3
ART 2230	Intermediate Painting	3
ART 2250	Introduction to Graphic Design	3
Elective	Art History (2000-level)*	3
Elective	Mathematics or Computer Information Systems or Social Sciences or Natural Sciences elective or ECM 1110*	3 or 4

## Second Semester - 15-16 credits

ART 2278	Figure Drawing	3
ART 2211	Intermediate Drawing	3
ART 1140	Introduction to Media Arts	3
Elective	Art History (2000-level) elective*	3
Elective	Mathematics or Computer Information Systems or Social Sciences or Natural Sciences elective or ECM 1110*†	3 or 4

\*Before one can be enrolled in any course one must satisfy the prerequisites.

†CIS 1120 and 1125 cannot be used to fulfill this requirement.

FOR A LIST OF COURSE CONCENTRATIONS, SEE PAGE 31.

## PROGRAMME OVERVIEW

The Associate of Arts and Science exposes students to many disciplines which provide the foundation for a well-rounded education. It is ideal for those students who are uncertain about their career path. It is also suited to those students who are looking for a broad-based liberal arts education.

In this programme, students do not concentrate on one subject. Rather, they take a variety of courses in the Humanities, Social Sciences, mathematics and Sciences. Students choosing this option will be able to transfer to colleges or universities abroad to further their studies in Arts and Science as well as specialised non-arts degrees, such as Georgia State University's articulated Bachelor of Business Administration degree.

## CURRICULUM

TOTAL CREDITS: 61-77

## YEAR 1

## First Semester – 17 credits

CSC 1110	Learning Strategies for Student Success	1
ENG 1111	Freshman Composition	3
Elective	Humanities (1100-level) elective*	3
Elective	Social Sciences (1100-level) elective*	3
Elective	Mathematics or Computing (1100-level) elective*†	3
Elective	Natural Sciences (1100-level) elective*	4

## Second Semester – 16 credits

ENG 1112	Literary Analysis	3
Elective	Humanities (1100-level) elective*	3
Elective	Social Sciences (1100-level) elective*	3
Elective	Mathematics or Computing (1100-level) elective*†	3
Elective	Natural Sciences (1100-level) elective*	4

## YEAR 2

## First Semester – 12-22 credits

Elective	Your choice*	3 or 4
Elective	Two to three courses at the 2000-level in a single subject of study from the Arts and Sciences disciplines**	6-12
Elective	One to two courses at the 2000-level in a different Arts and Science discipline**	3-6

## Second Semester – 12-22 credits

Elective	Your choice*	3 or 4
Elective	Two to three courses at the 2000-level in a single subject of study from the Arts and Sciences disciplines**	6-12
Elective	One to two courses at the 2000-level in a different Arts and Science discipline**	3-6

\*Before one can be enrolled in any course one must satisfy the prerequisites.

\*\*Humanities, Social Sciences, Mathematics, or Natural Sciences

†CIS 1120 and 1125 cannot be used to fulfill this requirement.

FOR A LIST OF COURSE CONCENTRATIONS, SEE PAGE 31.

## PROGRAMME OVERVIEW

There are several pathways for BC graduates to earn a Bachelor of Business Administration (BBA) degree through the College's Division of Business Administration, Hospitality and Technical Education. Beginning with the Associate Degree in Business Administration (ABUSA), the two-year programme prepares students for transfer into a BBA degree, which may be obtained either locally (in cooperation with Mount Saint Vincent University in Canada), overseas (at Georgia State, St. John's, or Temple universities in the USA), or online through Eastern Kentucky University. The ABUSA provides the foundation for a variety of concentrations in accounting, banking, economics, finance, international business, human resources, marketing, management, and risk management and insurance. The classes are supplemented with liberal arts courses to provide students with a well-rounded education and meet BBA transferability requirements.

While it may be possible to pursue the Bachelor of Science degree in Actuarial Science from the ABUSA pathway, students interested in actuarial science should consider the Associate of Science Degree in Actuarial Science (ACTSC).

Since the study of mathematics is a core area of competency for the bachelor's degree options offered by our partners, please note the BC math courses required to matriculate at the named institutions (see following page).

## CURRICULUM

## TOTAL CREDITS: 61-66

## YEAR 1

## First Semester - 16 credits

CSC 1110	Learning Strategies for Student Success	1
MAT 1100 and above (excluding 1107)		3
ENG 1111	Freshman Composition	3
ACC 1135	Accounting I	3
MGN 1114	Introduction to Business	3
CIS 1120	Introduction to Business Applications of Computers	3

## Second Semester - 15 credits

MAT 1100 and above (excluding 1107)		3
ENG 1112 or	Literary Analysis	
ENG 1115	Writing for Professionals	3
ACC 1145	Accounting II	3
Elective	Your choice	3
ECO 1101 or	Principles of Micro Economics	
ECO 1102	Principles of Macro Economics	3

## YEAR 2

## First Semester - 15-18 credits

Elective	Business (ACC, MGN, INS, LAW, CIS or HMT) elective	3
Elective	Business (ACC, MGN, INS, LAW, CIS or HMT) elective	3
Elective	Humanities or Natural Sciences or Social Sciences elective	3 or 4
Elective	Your choice	3 or 4
Elective	Your choice	3 or 4

## Second Semester - 15-17 credits

Elective	Business (ACC, MGN, INS, LAW, CIS or HMT) elective	3
Elective	Business (ACC, MGN, INS, LAW, CIS or HMT) elective	3
Elective	Humanities or Natural Sciences or Social Sciences elective	3 or 4
Elective	Business (MGN or LAW)	3
Elective	Your choice	3 or 4

*\*Before one can be enrolled in any course one must satisfy the prerequisites.  
Concentration in ACC, MGN, INS, CIS or HMT Courses > 2000*

**BC MATH REQUIREMENTS FOR THE FOLLOWING UNIVERSITIES:**

From BC AA-ABUSA degree to:

**GEORGIA STATE UNIVERSITY****BBA in Risk Management and Insurance**

MAT 1132 (MATH 1220\*) or MAT 1152 (MATH 2211\*);  
MAT 2233 and MAT 2234 (*MAT 2233 and MAT 2234  
articulate for MATH 1401\**)

**BBA in Accounting** | Three (3) MAT courses are  
required in the first two years. MAT 1105 (MATH 1111\*)  
or MAT 1152 (MATH 2211\*); MAT 2233 and MAT 2234  
(*MAT 2233 and MAT 2234 articulate for MATH 1401\**)

**BBA in Actuarial Science** | Four (4) MAT courses  
required in the first two years. MAT 1141 (MATH 1113\*),  
MAT 1152 (MATH 2211\*), MAT 2201 (MATH 2212\*) and  
MAT 2220 (MATH 2215\*)

**MOUNT SAINT VINCENT UNIVERSITY**

**BBA in Business Administration** | Two (2) MAT courses  
are required in the first two years. MAT 1105, MAT 1131,  
or MAT 1152, and MAT 2233

**ST. JOHN'S UNIVERSITY****BS in Risk Management and Insurance**

MAT 1132 (MTH 1320\*), MAT 2233 (BUA 2333\*) and  
MAT 2234 (BUA 2334\*)

**TEMPLE UNIVERSITY**

**BBA in Business Administration** | Three (3) MAT  
courses are required in the first year. MAT 1131, MAT  
1132 and ACC 1135

One (1) math course required in the second year.  
ACC 1145

**Bachelor of Tourism and Hospitality Management  
(THM)** | Two (2) MAT courses are required in the first  
two years. MAT 1131 and MAT 2233

Two (2) ACC courses required in the first 2 years.  
ACC 1135 and ACC 1145

\* Partnering university course equivalent

**For details contact:**

Bermuda College Recruitment Officer

■ Tel: 239-4099 ■ Email: [readytostart@college.bm](mailto:readytostart@college.bm)



## PROGRAMME OVERVIEW

This programme is designed for those students who wish to pursue a career in early childhood education, in addition to teaching as a paraprofessional.

Students graduating with an Associate of Arts (Early Childhood Education) may transfer to a university abroad to pursue a baccalaureate degree in Early Childhood Education.

As the programme includes opportunities for observations in private and public educational settings, students entering their second year must submit the following:

- Saving Children and Revealing Secrets (SCARS) Certificate
- Police Record Check
- Proof of Health Insurance
- Completed Medical Form
- Completed Ministry of Education Staff in Confidence Form

Students in the ECE programme must have a minimum of a 2.70 programme GPA. Upon successful completion, graduates will be competitively equipped with the knowledge and competencies to function as professional educators or transfer to overseas colleges.

## CURRICULUM

TOTAL CREDITS: 61-62

## YEAR 1

## First Semester – 16 credits

CSC 1110	Learning Strategies for Student Success	1
EDU 1102	Foundations of Early Childhood Education	3
ENG 1111	Freshman Composition	3
Elective	MAT (1100-level) elective	3
PSY 1101	Introduction to Psychology	3
SOC 1101	Introduction to Sociology	3

## Second Semester – 15 credits

EDU 1103	Introduction to Child Development	3
EDU 1104	Nutrition, Health and Safety in Early Childhood Education	3
ENG 1112 or	Literary Analysis***	
ENG 1115	Writing for Professionals	3
MAT 2233	Statistics I	3
PSY 1102	Introduction to Psychology II	3

## YEAR 2

## First Semester – 15-16 credits

EDU 2264	Observation and Participation Seminar in Early Childhood Education*	3
EDU 2207	Methods and Instructional Techniques in Early Childhood Education*	3
ENG 2212	Oral Communications	3
Elective	Natural Science	3 or 4
Elective	Humanities/Social Science**	3

## Second Semester – 15 credits

EDU 2204	Exceptional Children	3
EDU 2251	Classroom Management	3
EDU 2265	Early Childhood Education Practicum*	6
Elective	Education	3

\*Before one can be enrolled in any course one must satisfy the prerequisites.

\*\*SOC 2251 Sociology of Marriage and the Family is recommended.

\*\*\*ENG1112 is strongly recommended for students who intend to obtain a bachelor's degree.

**Application deadline for EDU 2265** is at the end of the semester break for Fall semester, and semester break for Spring semester.

## PROGRAMME OVERVIEW

Actuarial science, in the insurance and re-insurance industries, is the practice of using statistical information to determine rates and rating methods, and evaluating insurance company reserves. Actuaries, particularly Bermudian actuaries, are very much in demand in Bermuda's insurance and reinsurance industries.

Bermuda College, with the support of Chubb and the Chubb Foundation, has developed this programme for students wishing to enter the actuarial field. The programme provides a solid foundation for further study abroad in preparation for the rigorous series of examinations that lead to membership in the profession. The programme has a strong mathematical base, and includes an introductory course in Actuarial Science.

Students wishing to complete this degree in two years should expect to take MAT 1105 during the Summer, **prior** to their freshman year.

Since the requirements of four-year institutions vary widely, it is essential that the programme outlined in the catalogue of the student's college of choice, be followed as closely as possible.

## CURRICULUM

TOTAL CREDITS: 64

## YEAR 1

## First Semester - 16 credits

CSC 1110	Learning Strategies for Student Success	1
CIS 1125	Introduction to Computers and Information Technology	3
ECO 1101	Principles of Microeconomics	3
ENG 1111	Freshman Composition	3
MAT 1141	Pre-Calculus	3
Elective	Humanities (1100 or higher) elective*	3

## Second Semester - 15 credits

ACC 1135	Accounting I	3
CIS 1130	Data Management	3
ECO 1102	Principles of Macroeconomics	3
ENG 1112 or	Literary Analysis	
ENG 1115	Writing for Professionals	3
MAT 1152	Calculus I	3

## YEAR 2

## First Semester - 15 credits

Elective	Accounting, Mathematics, Management, Computer Information Systems, Insurance, Law elective, or Economics*†	3
Elective	Accounting, Mathematics, Management, Computer Information Systems, Insurance, Law elective, or Economics*†	3
MAT 2201	Calculus II	3
MAT 2205	Introduction to Mathematical Statistics	3
MAT 2210	Linear Algebra	3

## Second Semester - 18 credits

ASC 1101	Introduction to Actuarial Science	3
Elective	Accounting, Mathematics, Management, Computer Information Systems, Insurance, Law elective, or Economics*†	3
Elective	Accounting, Mathematics, Management, Computer Information Systems, Insurance or Law elective*†	3
Elective	2200-level, or Economics*†	3
MAT 2240	Elementary Differential Equations	3
MAT 2220	Multivariable Calculus	3

\*Before one can be enrolled in any course one must satisfy the prerequisites.

†CIS 1120 cannot be used to fulfill this requirement.

## PROGRAMME OVERVIEW

Computer technology is updated and improved upon on a daily, even hourly, basis in the 21st century. Bermuda College's Associate of Science (Computer Information Systems) is reviewed regularly to incorporate the changes and updates in the technology field. IT specialisation and e-commerce courses have been added to the core curriculum. Further, the programme's curriculum equips students with the same level of competency as demonstrated by the internationally recognised certifications of A+, Network+, iNet+, CCNA, GIAC/GSEC, MCP and MOUS.

The foundation of the programme is the study of computer applications in the business environment. It also includes a mandatory internship between the first and second years of study, providing hands-on experience in local and international companies.

## CURRICULUM

TOTAL CREDITS: 64-66

## YEAR 1

## First Semester – 16 credits

CSC 1110	Learning Strategies for Student Success	1
ENG 1111	Freshman Composition	3
MAT 1105 or MAT 1131	College Algebra Finite Mathematics	3
CIS 1120	Introduction to Business Applications of Computers	3
CIS 1125	Introduction to Computer & Information Technology	3
ECM 1110	Generating Web Pages	3

## Second Semester – 15 credits

ENG 1112 or ENG 1115	Literary Analysis Writing for Professionals	3
ACC 1135 or MGN 1114	Introduction to Accounting Introduction to Business	3
MAT 1141 or MAT 2233	Pre-Calculus Statistics I	3
CIS 1130	Data Management	3
CIS 2278	Microcomputer Hardware and Software	3

CIS 1180	<b>COMPUTER INFORMATION SYSTEMS INTERNSHIP</b>	3
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## YEAR 2

## First Semester – 15-16 credits

Elective	Humanities or Natural Science or Social Sciences elective	3 or 4
MAT 1152 or MAT 2234 or MAT 1132	Calculus I Statistics II Business Calculus	3
CIS 1155	Programming for Information System I	3
CIS 2231	System Analysis and Design	3
CIS 2290	Networking Technologies	3

## Second Semester – 15-16 credits

Elective	Humanities or Natural Science or Social Sciences elective	3 or 4
MGN 2230	Introduction to Project Management	3
CIS 2255	Programming for Information Systems II	3
CIS 2297	Security Fundamentals and Policies	3
CIS 2295	Operating Systems & Infrastructure	3

*Before one can be enrolled in any course one must satisfy the prerequisites.*

## PROGRAMME OVERVIEW

The Associate of Science (Diagnostic Imaging Technology (DIT) Programme) is a seven-semester programme designed to provide comprehensive instruction and clinical experiences to persons pursuing a career in diagnostic imaging technology.

It prepares students to perform general radiographic and fluoroscopic examinations on patients utilising digital technology.

The programme includes clinical experiences locally and overseas, hence, students must commit to travelling to obtain clinical exposure with key clinical partners. Students must possess the appropriate travel documents.

Once accepted into the Diagnostic Imaging Programme, students must submit the following:

- Current Health and Travel Insurance
- Current American Heart Association (AHA) Basic Life Support (CPR)
- Saving Children and Revealing Secrets (SCARS) Certificate
- Moving and Handling Certificate
- Annual Hair Follicle Drug Screening
- Current Immunisation Record
- Annual Influenza Vaccine
- Bermuda Police Service Record Check
- Completed Medical Form
- CASPer Assessment Report

Healthcare organisations and/or BC healthcare partners in other countries may dictate additional screenings/vaccinations to participate in clinical experiences. Students must comply with such requirements to participate in these programmes. Failure to comply may prevent students from completing this programme.

To satisfy requirements for graduation, students must achieve a final programme (enrolment) GPA of at least 2.67 in the Diagnostic Imaging Technology Programme.

Upon successful completion, graduates will be competitively equipped with the knowledge and competencies to function as a professional Diagnostic Imaging Technologist and have the ability to apply for licensure through examination.

## CURRICULUM

**TOTAL CREDITS: 82**

### YEAR 1

#### **SUMMER SESSION - 9 credits**

DIT 1101	Introduction to Diagnostic Imaging Technology	2
BIO 1121	Principles of Biology I	4
MAT 1105	College Algebra	3

#### **First Semester - 15 credits**

BIO 1122	Principles of Biology II	4
ENG 1111	Freshman Composition	3
PSY 1101	Introduction to Psychology	3
CSC 1110	Learning Strategies for Student Success	1
ALH 1102	Medical Terminology	2
DIT 1102	Patient Management in Diagnostic Imaging Technology	2

#### **Second Semester - 18 credits**

ENG 1112	Literary Analysis	3
BIO 2211	Anatomy and Physiology I	4
CIS 1120	Introduction to Business Applications	3
DIT 1103	Radiation Physics	2
DIT 1104	Diagnostic Imaging Equipment	2
DIT 1105	Principles of Imaging Technology I	2
DIT 1106	Radiographic Procedures I	2

### YEAR 2

#### **SUMMER SESSION - 6 credits**

DIT 1107	Clinical Practice I	4
DIT 1108	Principles of Imaging I	2

#### **First Semester - 16 credits**

BIO 2212	Anatomy and Physiology II	4
DIT 2207	Clinical Practice II	4
DIT 2201	Pharmacology in Diagnostic Imaging	2
DIT 2205	Principles of Imaging Technology II	2
DIT 2208	Principles of Imaging II	2
DIT 2206	Radiographic Procedures II	2

#### **Second Semester - 10 credits**

DIT 2216	Radiographic Procedures III	2
DIT 2202	Cross Sectional Anatomy	2
DIT 2203	Patient Protection in Radiology	2
DIT 2217	Clinical Practice III	4

#### **SUMMER SESSION - 8 credits**

DIT 2204	Diagnostic Imaging Practicum	8
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## PROGRAMME OVERVIEW

This programme is intended for students wishing to pursue a baccalaureate degree in elementary, middle or senior-level education at a recognised teacher education institution.

The programme features a common liberal arts core that spans the humanities, mathematics, social sciences, and natural sciences disciplines. In the second year of the programme, the core courses are supplemented with courses in the foundations of education, in human growth and development, and in the application of psychological principles to the teaching profession. In addition to the twelve elective credits, students intending to teach at the senior level are able to complete a concentration in one of the disciplines noted above.

As the programme includes opportunities for observations in private and public educational settings, students must submit the following:

- Saving Children and Revealing Secrets (SCARS) Certificate
- Police Record Check
- Proof of Health Insurance
- Completed Medical Form
- Completed Ministry of Education Staff in Confidence Form

Students in the AS- EDUCN programme must have a minimum of a 2.70 programme GPA. Upon successful completion, graduates will be competitively equipped with the knowledge and competencies to function as professional educators or transfer to overseas colleges.

## CURRICULUM

## TOTAL CREDITS: 61-63

## YEAR 1

## First Semester – 16-17 credits

CSC 1110	Learning Strategies for Student Success	1
ENG 1111	Freshman Composition	3
HIS 1140 or HIS 1141	World History I World History II	3
Elective	Mathematics (1100-level) elective*	3
Elective	Natural Sciences (1100-level) elective.*	3 or 4
PSY 1101	Introduction to Psychology I	3

## Second Semester – 15-16 credits

ENG 1112	Literary Analysis	3
Elective	Your choice**	3
MAT 2233	Statistics I	3
Elective	Natural Sciences (1100-level) elective*	3 or 4
PSY 1102	Introduction to Psychology II	3

## YEAR 2

## First Semester – 15 credits

EDU 2201	Foundations of Education	3
ENG 2212	Oral Communication	3
Elective	Your choice**	3
Elective	Your choice**	3
PSY 2270	Learning Theory	3

## Second Semester – 15 credits

EDU 2202	Children and Their Environment	3
EDU 2251	Classroom Management	3
Elective	Your choice*	3
PSY 2272	Educational Psychology	3
PSY 2240	Human Development	3

\*Before one can be enrolled in any course one must satisfy the prerequisites.

\*\*Students intending to teach at the elementary school level are recommended to take Music 1103

FOR A LIST OF NATURAL SCIENCES, SEE PAGE 33.



## PROGRAMME OVERVIEW

This programme allows students to begin to explore the vast world of marine biology while providing an important foundation in modern biological sciences, chemistry, math, physics, and environmental science. It allows graduates the opportunity to gain an undergraduate degree in the field and its related disciplines from either one of the College's three academic partners - University of Rhode Island; East Carolina University; and Flagler College in Florida. Bermuda College graduates can enter at the junior (third year) level.

## CURRICULUM

## TOTAL CREDITS: 77-80

YEAR 1			Credits
SUMMER SESSION - 4 credits			
BIO 1121	Principles of Biology I		4
First Semester - 18 credits			
CSC 1110	Learning Strategies for Student Success		1
ENG 1111	Freshman Composition		3
MAT 1105	College Algebra		3
CHM 1111	Principles Chemistry I		4
BIO 1122	Principles of Biology II		4
Elective	Humanities (1100 level) elective		3
Second Semester - 18 credits			
ENG 1112	Literary Analysis		3
MAT 1141	Pre-Calculus		3
CHM 1112	Principles of Chemistry II		4
PHY 1121	Principles of Physics		4
EES 1105	Introduction to Oceanography		4
SUMMER SESSION - 7-8 credits			
NSC 2200	Research Diving Methods		4
Elective	Natural Science elective		3 – 4
YEAR 2			
First Semester - 25-26 credits			
MAT 2233	Statistics I		3
Stream I		21 credits	
EES 1101	Environmental Science	4	
EES 2211	Environmental Geography	3	
Environmental Science course (2200-level)		3	
Environmental Science course (2200-level)		3	
Biology course (2200-level)		4	
Biology course (2200-level)		4	
Stream II		22-23 credits	
CHM 2256	Organic Chemistry I	4	
CHM 2257	Organic Chemistry II	4	
BIO 2210	Cellular Biology	4	
Biology course (2200-level)		4	
Chemistry course (2200-level)		3 or 4	
Computer Science Elective		3	
Stream III		23 credits	
BIO 2210	Cellular Biology	4	
Biology course (2200-level)		4	
Biology course (2200-level)		4	
Biology course (2200-level)		4	
Chemistry course (2200-level)		4	
Computer Science Elective		3	
Second Semester - 6 credits			
MAT 2234	Statistics II		3
Elective	Social Sciences elective		3
SUMMER SESSION - 8 credits			
Internship (Honours degree student)			4
Elective	Natural Sciences (2200-level) elective		4

FOR A LIST OF HUMANITIES AND NATURAL SCIENCES, SEE PAGE 33.

## PROGRAMME OVERVIEW

The Associate of Science in Nursing will deliver quality, innovative nursing education, and typify excellence in nursing practice. It has been developed and endorsed in collaboration with the Ministry of Health, the Bermuda Hospitals Board, and other key stakeholders in nursing throughout the Island. The curriculum was developed utilising the American Nurses Association standards and the Accreditation Commission for Education in Nursing (ACEN) standards. It integrates a strong liberal arts core, and a nursing core alongside sound clinical practice, ensuring graduates receive superior instruction and deliver high quality care, along with critical palliative skills that respect the dignity of all patients.

The programme includes clinical opportunities both locally and overseas, hence students must commit to travelling to obtain clinical exposure with key clinical partners. Students must possess the appropriate travel documents and identification required for the overseas clinical experience.

Students will be admitted into the first nursing course Introduction to Professional Nursing (NUR 1101) upon completion of the Arts and Science requirements for the nursing programme if they have met the following:

- Programme (Enrolment) GPA of not less than 2.67 or higher in the Arts and Science prerequisites.

Once accepted into the nursing programme students must submit the following:

- Current Health Insurance and Travel Insurance
- Current American Heart Association Basic Life Support (CPR & AED)
- Saving Children and Revealing Secrets (SCARS) Cert.
- Moving and Handling completion card
- Annual Hair Follicle Drug Screening results
- Current Immunisation Record
- Annual Influenza Vaccine
- Bermuda Police Record Check
- Completed Medical Form
- Valid Passport

Healthcare organisations and/or BC healthcare partners locally and abroad may dictate additional screenings/ vaccinations to participate in clinical experiences. Students must comply with such requirements to participate in these programmes. Failure to comply may prevent students from completing this programme.

To satisfy requirements for graduation, students must achieve a final programme (enrolment) GPA of at least 2.67 in the nursing programme. Upon successful completion, graduates will be competitively equipped with the knowledge and competencies to function as a professional nurse, and have the ability to apply for licensure through examination.

## CURRICULUM

**TOTAL CREDITS: 64**

**Please note:** Admission to the nursing programme requires successful completion of CIS 1120, CSC 1110, ENG 1111, ENG 1112, MATH at 1100-level or higher+, PSY 1101, BIO 1121 **and** BIO 1122 under the AA-ARTSC programme.

### YEAR 1

#### Summer Session – 2 credits

NUR 1101	Introduction to Professional Nursing	Credits	2
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#### First semester – 15 credits

NUR 1150	Nursing Fundamentals	8
SOC 1101 or	Introduction to Sociology I	
SOC 1102	Introduction to Sociology II	3
BIO 2211	Anatomy and Physiology I*	4

#### Second semester – 16 credits

NUR 2200	Psychiatric Nursing	5
NUR 2201	Medical Surgical Nursing	7
BIO 2212	Anatomy and Physiology II*	4

#### Summer Session – 2 credits

NUR 2235	Pharmacology	Credits	2
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### YEAR 2

#### First semester – 14 credits

NUR 2240	Family Health Nursing	5
NUR 2250	Adult Health	5
BIO 2222	Medical Microbiology*	4

#### Second semester – 15 credits

NUR 2251	Adult Health Practicum	8
BIO 2250	Medical Nutrition*	4
Elective	Humanities (1100-level) elective	3

*\*Before one can be enrolled in any course one must satisfy the prerequisites.*

*+MAT 1107 cannot be used to fulfil this requirement*

*A grade of "C" or better is required in all non-nursing courses to transfer credits to a Bachelor of Science Degree in Nursing.*

*A grade of "B-" or better is required in nursing courses (NUR).*

*Nursing (NUR) courses can only be repeated once.*

**FOR A LIST OF HUMANITIES, SEE PAGE 33.**

## PROGRAMME OVERVIEW

The Pre-Health Science Programme was developed in conjunction with key stakeholders, and is designed to provide a foundation for those interested in allied health professions. It provides a concentrated education pathway that leads to a specific allied health profession.

## CURRICULUM

TOTAL CREDITS: 62-63

## YEAR 1

## First Semester - 16 credits

CSC 1110	Learning Strategies for Student Success	1
BIO 1121	Principles of Biology I	4
MAT 1105	College Algebra	3
ALH 1101	Introduction to Health Care	2
ENG 1111	Freshman Composition	3
Elective	Social Sciences (1100-level) elective	3

## Second Semester - 16-17 credits

ENG 1112	Literary Analysis	3
BIO 1122	Principles of Biology II	4
MAT 2233	Statistics I	3
Elective	Social Sciences (1100-level) elective	3
Elective	Natural Sciences (1100-level) elective	3 or 4

## YEAR 2

## First Semester - 16 credits

BIO 2211	Anatomy and Physiology I	4
ENG 2212	Oral Communication	3
Elective	Foreign Language (1100-level) elective	3
BIO 2222	Medical Microbiology	4
ALH 1102	Medical Terminology	2

## Second Semester - 14 credits

BIO 2212	Anatomy and Physiology II	4
PHL 2210	Medical Ethics	3
BIO 2250	Medical Nutrition	4
CIS 1120	Introduction to Business Applications of Computers	3

FOR A LIST OF NATURAL SCIENCES AND SOCIAL SCIENCES, SEE PAGE 33.

## PROGRAMME OVERVIEW

The Pre-Medical Science Programme has been developed for those interested in a career in medicine. The focused programme is designed to prepare students for admission to a medical programme overseas.

## CURRICULUM

TOTAL CREDITS: 79

## YEAR 1

## First Semester – 18 credits

CSC 1110	Learning Strategies for Student Success	1
BIO 1121	Principles of Biology I	4
MAT 1105	College Algebra	3
CHM 1111	Principles of Chemistry I	4
ENG 1111	Freshman Composition	3
Elective	Social Sciences (1100-level) elective	3

## Second Semester – 18 credits

CHM 1112	Principles of Chemistry II	4
BIO 1122	Principles of Biology II	4
BIO 2211	Anatomy and Physiology I	4
ENG 1112	Literary Analysis	3
Elective	Social Sciences (1100-level) elective	3

## Summer Session – 11 credits

MAT 2233	Statistics I	3
BIO 2250	Medical Nutrition	4
BIO 2222	Medical Microbiology	4

## YEAR 2

## First Semester – 18 credits

BIO 2212	Anatomy and Physiology II	4
ENG 2212	Oral Communication	3
MAT 1141	Pre-Calculus	3
CHM 2256	Organic Chemistry I	4
PHY 1121	Principles of Physics I	4

## Second Semester – 14 credits

PHL 2210	Medical Ethics	3
CHM 2257	Organic Chemistry II	4
PHY 1122	Principles of Physics II	4
BIO 2260	Pathophysiology	3

FOR A LIST OF SOCIAL SCIENCES, SEE PAGE 33.



## PROGRAMME OVERVIEW

The Sciences – which include the natural sciences of biology, earth and environmental science, chemistry and physics – provide the foundation for a variety of careers including medicine, nursing, veterinary medicine, lab technology, environmental health, conservation, education and nutrition.

While the first year of this programme includes courses from the arts as well as the sciences, in the second year, students will have the opportunity to concentrate in biology, chemistry, or earth and environmental science.

This two-year degree is designed for students who want to transfer abroad to obtain baccalaureate degrees in the science disciplines.

## CURRICULUM

TOTAL CREDITS: 64-70

## YEAR 1

## First Semester – 15 credits

CSC 1110	Learning Strategies for Student Success	1
ENG 1111	Freshman Composition	3
MAT 1105	College Algebra	3
Elective	Natural Sciences (1100-level) 2 electives in BIO, CHM, EES or PHY	8

## Second Semester – 18 credits

ENG 1112	Literary Analysis	3
MAT 1141	Pre-Calculus	3
Elective	Natural Sciences (1100-level) 2 electives in BIO, CHM, EES or PHY	8
Elective	Natural Sciences (1100-level) 1 elective*	4

## YEAR 2

## First Semester – 15-18 credits

MAT 1152 or	Calculus I	
MAT 2233	Statistics I	3
Elective	Natural Sciences (2200-level) 2 electives in area of concentration**	6 or 8
Elective	Natural Sciences (2200-level) 1 elective	3 or 4
Elective	Humanities (1100 or higher) elective	3

## Second Semester – 17-19 credits

Elective	Natural Sciences (2200-level) 1 elective in area of concentration	3 or 4
Elective	Natural Sciences (2200-level) 1 elective not in your area of concentration	3 or 4
Elective	(1100 or higher) 1 elective***	3 or 4
Elective	(2200) 1 elective***	3 or 4
Elective	Social Sciences (1100 or higher) elective	3

\*EES as an area of concentration is **not recommended** for students intending to enter into health professions.

\*\*See the notes for area of concentration on page 31.

\*\*\*Prerequisites must be met for all courses.

FOR A LIST OF HUMANITIES, NATURAL SCIENCES AND SOCIAL SCIENCES, SEE PAGE 33.

## PROGRAMME OVERVIEW

The diploma is specifically designed to facilitate credit transfer and/or the recognition of college level achievement for students who plan to continue their educational studies overseas.

At the completion of 31-36 college credits with a minimum GPA of 2.0, students may apply for the Foundation Diploma. Students must meet with an advisor to plan their programme.

## CURRICULUM

## TOTAL CREDITS: 31-36

## YEAR 1

## CREDITS

**First Semester – 16-18 credits**

CSC 1110	Learning Strategies for Student Success	1
ENG 1111	Freshman Composition	3
Elective	Mathematics (1100-level)*	3
Elective	Social Science (1100-level)*	3
Elective	Two courses at the 1100-level of your choice **	6-8

**Second Semester – 15-18 credits**

ENG 1112 or	Literary Analysis	
ENG 1115	Writing for Professionals	3
Elective	Mathematics (1100-level) or higher*	3
Elective	Three courses in the area of study of your choice **	9-12

*Before enrolling in any course one must consult the Foundation Diploma Programme Advisor. Flexibility in course selection is essential to each student's ability to attain a diploma relevant to his/her interests and composed of fully transferrable courses.*

*\* Should include courses in the same area in sequence if applicable e.g. BIO 1121 & BIO 1122.*

*\*\*Students intending to attend University in the UK may, with agreement from target University and advisor approval, increase credits earned in a particular discipline in order to qualify for foundation year credit.*

## PROGRAMME OVERVIEW

The diploma is specifically designed to facilitate credit transfer and/or the recognition of college level achievement for students who plan to continue their educational studies overseas.

At the completion of 31-35 college credits with a minimum GPA of 2.0, students may apply for the Foundation Diploma. Students must meet with an advisor to plan their programme.

## CURRICULUM

**TOTAL CREDITS: 31-35**

### YEAR 1

#### First Semester – 16-18 credits

CSC 1110	Learning Strategies for Student Success	1
ENG 1111	Freshman Composition	3
Elective	Mathematics (1100-level)*	3
Elective	Social Science (1100-level)*	3
Elective	Natural Science (1100-level)*	3 or 4
Elective	1100-level course of your choice **	3 or 4

#### Second Semester – 15-17 credits

ENG 1112 or	Literary Analysis	
ENG 1115	Writing for Professionals	3
Elective	Mathematics (1100-level) or higher*	3
Elective	Social Science (1100-level)*	3
Elective	Natural Science (1100-level)*	3 or 4
Elective	1100-level course of your choice **	3 or 4

*Before enrolling in any course one must consult the Foundation Diploma Programme Advisor. Flexibility in course selection is essential to each student's ability to attain a diploma relevant to his/her interests and composed of fully transferrable courses.*

*\* Should include two sciences in the same area in sequence if applicable e.g. BIO 1121 & BIO 1122.*

*\*\* Foreign Language courses recommended*

Bermuda College remains committed to setting our students on the path to success.

*Below: Royal Gazette article dated June 8, 2004, on the launch of the Bermuda College Microsoft certification course*



Photo by Glenn Turner  
**Tech savvy:** Bermuda College and Gateway Systems have partnered to offer training that will lead to students sitting exams for two key Microsoft designations. Announcing the new initiative, which kicks off in September, are instructor Joseph Shrink (Gateway, manager learning services) and Dr. Eugene Simmons, director, Bermuda College Centre for Professional and Career Education.

### Partnership offers IT career boost

**By Lilla Zuill**  
Locals in IT jobs could get a career boost in partnership with Gateway Systems, with manager, learning services. "We need to ensure that Bermudians have access to these opportunities," she said.



**Top Left:** Culinary students during the College's early years

**Right:** HVAC students and lecturer



MANY PATHS.  
DISCOVER YOURS.



# DIPLOMA PROGRAMMES

A **diploma programme** consists of courses that are part of an associate degree programme. They are designed to provide the graduate with skills and competencies for immediate employment into a particular occupational field. Students may be able to transfer some of these credits into an associate degree programme at a later time depending on the programme of study.

## DIPLOMAS

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Motor Vehicle Technology .....	64
Plumbing Technology .....	65
Wood Technology .....	66

**SEE PAGES 81 - 122 FOR COURSE DESCRIPTIONS.**

**PROGRAMME OVERVIEW**

This diploma is designed for persons who are presently involved in networking but have not received formal training; those seeking international certification (CompTIA, A+, Network+, or iNet); or those wishing to supplement their computer training to formally include networks for the purpose of career enhancement.

**ENTRY REQUIREMENTS**

2 years' full-time work experience in the field or a college degree (2-year or higher).

**CURRICULUM****YEAR 1**

CIS 1125	Introduction to Computers and Information Technology
CIS 1155	Software Engineering for Information Systems
CIS 2278	Microcomputer Hardware and System Software
CIS 2290	Networking Technologies
CIS 2297	Security Fundamentals and Policies
MGN 2230	Project Management

*\*Before one can be enrolled in any course one must satisfy the prerequisites.*

**TOTAL CREDITS: 18****Credits**

3  
3  
3  
3  
3  
3

## PROGRAMME OVERVIEW

This diploma is designed for persons who are presently involved in programming but have not received formal training; those seeking international certification (CompTIA, A+, Network +, and OCA/OCP); or those wishing to supplement their computer training to formally include networks for the purpose of career enhancement.

## ENTRY REQUIREMENTS

2 years' full-time work experience in the field or a college degree (2-year or higher).

## CURRICULUM

## YEAR 1

CIS 1155	Programming Information Systems I
CIS 2255	Programming Information Systems II
CIS 2278	Microcomputer Hardware and System Software
CIS 2295	Operating Systems & Infrastructure
CIS 2297	Security Fundamentals and Policies
MGN 2230	Project Management

*\*Before one can be enrolled in any course one must satisfy the prerequisites.*

TOTAL CREDITS: 18

## Credits

3  
3  
3  
3  
3  
3

## PROGRAMME OVERVIEW

This programme provides students with basic education and training in culinary arts and is designed for those students who want to enter the workforce directly after graduation. The programme is accredited by the American Culinary Federation (ACF). Course offerings emphasise practical applications and follow the ACF curriculum. Students complete a 12-week internship at a local hotel or restaurant where they will rotate through different sections of a kitchen.

## CURRICULUM

TOTAL CREDITS: 67

## YEAR 1

## First Semester - 18 credits

CSC 1110	Learning Strategies for Student Success	1
CIS 1120	Introduction to Business Applications of Computers	3
CUL 1020	English for Culinary Arts	3
CUL 1102	Introduction to Culinary Arts	1
CUL 1104	Sanitation and Safety	2
CUL 1105	Meat Identification and Fabrication	2
CUL 1108	Introduction to Preparation of Soups, Stocks and Sauces	2
CUL 1109	Introduction to Vegetable and Starch Cookery	2
CUL 1110	Introduction to Cooking Methods	2

## Second Semester - 15 credits

CUL 1030	Mathematics for Culinary Arts	3
CUL 1111	Introduction to Production Cookery	2
CUL 1112	Breakfast and Short Order Cooking	1
CUL 1114	Seafood Cookery	2
CUL 1116	Introduction to the Larder (Garde Manger)	2
CUL 1117	Introduction to Baking and Pastry	3
CUL 1131	Nutrition	2
CUL 1119	<b>CULINARY ARTS INTERNSHIP</b>	3

## YEAR 2

## First Semester - 15 credits

CUL 1106	Purchasing & Product Identification	3
CUL 1122	Introduction to Caribbean and Bermudian Cuisine	2
CUL 1128	International Cuisine	3
CUL 1130	American Regional Cuisine	2
CUL 2124	Techniques in Healthy Cooking	2
HMT 1155	Introduction to the Hospitality Industry	3

## Second Semester - 16 credits

CUL 1125	Food and Beverage Service	4
CUL 1127	Oriental Cuisine	2
CUL 1129	Italian Cuisine	2
CUL 2118	Menu Planning	3
CUL 2127	Advanced Production Cookery and Innovative Techniques	2
HMT 2255	Hospitality Supervision	3

## PROGRAMME OVERVIEW

This diploma has been developed to provide persons working in the food and beverage industry the opportunity to receive academic qualifications. It is designed for persons who have joined the industry without any formal certification in the field, and requires work experience in the field for a minimum of five (5) years, approval from the Dean, or possess an associate degree or higher. This diploma will allow students to formalise their training and experience.

## CURRICULUM

## YEAR 1

CUL 1104	Sanitation and Safety	Credits	2
CUL 1106	Purchasing and Product Identification		3
FAB 1100	Food Service		4
CUL 2118 or	Menu Planning		
HMT 1265	Hospitality Sales and Marketing		3
HMT 2255	Hospitality Supervisory Practices*		3
HMT 2260	Food & Beverage Management		3

*\*Before one can be enrolled in any course, one must satisfy the prerequisites.*

TOTAL CREDITS: 18



## PROGRAMME OVERVIEW

The course requires that persons be working in the field continuously for a minimum of five (5) years or possess a relevant associate degree or higher. Graduates will be eligible to receive an industry-recognised certificate in Heating, Ventilation & Air Conditioning (HVAC) from the National Centre for Construction Education and Research (NCCER) and also meet the Bermuda National Training Board standard and receive a Bermuda College Diploma in Heating, Ventilation & Air Conditioning (HVAC) Technology.

**Prerequisite:** NCCER Core (8CR)

(Please see NCCER Courses starting on pg. 114)

## CURRICULUM

TOTAL CREDITS: 36

## YEAR 1

**First Semester – 5 credits**

HVA 1101	Fundamentals of Heating and Cooling	5
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**Second Semester – 10 credits**

HVA 1102	Mechanical Maintenance	3
HVA 1103	HVAC Controls	3
HVA 1104	Refrigeration System Service	4

## YEAR 2

**First Semester – 10 credits**

HVA 1105	Senior Student Project I	2
HVA 1106	Troubleshooting Heating	3
HVA 2107	Troubleshooting Cooling	3
HVA 2108	Hydronics	2

**Second Semester – 11 credits**

HVA 2109	Senior Student Project II	2
HVA 2110	System Performance	3
HVA 2111	Energy Management	3
HVA 2112	System Design	3

## PROGRAMME OVERVIEW

This programme provides students with the basic education and training in hospitality management and is designed for students who want to enter the workforce directly after graduation. Students will complete a 12-week internship programme in hospitality organisations where they will rotate through the front and back of the house departments.

## CURRICULUM

TOTAL CREDITS: 55

## YEAR 1

## First Semester – 13 credits

CSC 1110	Learning Strategies for Student Success	1
CUL 1104	Sanitation & Safety	2
ENG 1044	Communications for Industry I	3
FAB 1100	Food Service I	4
HMT 1155	Intro to the Hospitality Industry	3

## Second Semester – 15 credits

CKN 1102	Kitchen Theory and Practice I	4
CUL 1131	Nutrition	2
ENG 1045	Communications for Industry II	3
HMT 1120	Intro to Lodging Management	3
MGN 1129	Customer Service Skills	3
HMT 1175	<b>HOTEL MANAGEMENT INTERNSHIP</b>	3

## YEAR 2

## First Semester – 12 credits

ACC 1041	Practical Accounting Procedures I	3
HMT 1265	Hospitality Sales & Marketing	3
MAT 1034	Business Mathematics	3
MGN 1017	Foundations in Business	3

## Second Semester – 12 credits

CIS 1120	Intro to Business Applications of Computers	3
HMT 2255	Hospitality Supervisory Practice	3
HMT 2260	Food and Beverage Management	3
MGN 1116	Tourism	3

## PROGRAMME OVERVIEW

This programme has been developed by the Bermuda College to provide persons working in the automotive industry the opportunity to receive technical training. The course requires that persons be working in the field for a minimum of five (5) years or possess a relevant associate degree or higher. Persons will be required to attend classes according to the time table and return to work after classes are completed.

The curriculum is designed to meet industry standards with the intent that students sit the City & Guilds international certification. This programme is modularised and takes two years to complete. Students will experience lectures, practical assignment, and self-directed activities as they progress through the modules, working with the lecturer and being evaluated on a skills basis. Upon completion of the course, students will receive a Bermuda College Diploma in Motor Vehicle Technology.

**Prerequisite:** NCCER Core (8CR)

*(Please see NCCER Courses starting on pg. 114)*

## CURRICULUM

TOTAL CREDITS: 36

## YEAR 1

**First Semester - 9 credits**

MVT 1104	Electrical Systems	3
MVT 1105	Battery/Charging Systems	3
MVT 1106	Starting Systems	3

**Second Semester - 9 credits**

MVT 1101	Ignition Systems	3
MVT 1102	Fuel/Exhaust Systems	3
MVT 1103	Exhaust Emissions Systems	3

## YEAR 2

**First Semester - 9 credits**

MVT 2107	Braking Systems	3
MVT 2108	Hydraulic Brake Systems	3
MVT 2109	Anti-Lock Brake Systems	3

**Second Semester - 9 credits**

MVT 2110	Steering Systems	3
MVT 2111	Power Steering Systems	3
MVT 2112	Suspension Systems	3

## PROGRAMME OVERVIEW

The course requires that persons be working in the field continuously for a minimum of five (5) years or possess a relevant associate degree or higher. Graduates will be eligible to receive an industry-recognised certificate in plumbing from the National Centre for Construction Education and Research (NCCER), meet the Bermuda National Training Board standard and receive a Bermuda College Diploma in Plumbing Technology. Students will be eligible to sit the City and Guilds Scheme 6129 examination.

**Prerequisite:** NCCER Core (8CR)

*(Please see NCCER Courses starting on pg. 114)*

## CURRICULUM

TOTAL CREDITS: 35

## YEAR 1

## First Semester – 8 credits

PLM 1101	Introduction to the Plumbing Profession, Safety & Tools	4
PLM 1102	Plastic Pipe, Copper, Cast Iron, Steel Piping and Fittings	2
PLM 1103	Fixtures and Faucets, Drains, Waste & Vent Systems, Water Distribution Systems	2

## Second Semester – 10 credits

PLM 1104	Commercial Drawings, Hangers and Supports, Installing DWV piping	4
PLM 1105	Types of Valves, Installing Water Supply Piping, Installing Fixtures & Faucets	3
PLM 1106	Installing Water Heaters, Servicing Fixtures, Valves and Faucets	3

## YEAR 2

## First Semester – 9 credits

PLM 2107	Sizing Water Supply Piping, Potable Water Treatment	3
PLM 2108	Backflow Preventers, Types of Venting, Sizing DWV Systems	4
PLM 2109	Sewage Pumps, Compressed Air	2

## Second Semester – 8 credits

PLM 2110	Business Principles for Plumbing, Water Pressure Systems	3
PLM 2111	Codes, Private Water Supply Well systems	3
PLM 2112	Swimming Pools and Hot Tubs, Plumbing for Mobile Homes	2

## PROGRAMME OVERVIEW

This programme has been designed to meet both the needs of the local carpentry industry and the requirements for the National Training Board (NTB) and the National Centre for Construction Education and Research (NCCER). This course requires that individuals have five (5) years or more experience in the trade or possess an associate degree or higher. Students in the programme can expect to experience practical assignments, lectures and field trips to local building sites and industries. The self-directed activities and supervised assistance will enable students to progress successfully through this programme.

*(Please see NCCER Courses starting on pg. 114)*

## CURRICULUM

TOTAL CREDITS: 38

## YEAR 1

## First Semester – 9 credits

WTC 1101	Orientation, Materials, Fasteners, Hand and Power Tools	1
WTC 1102	Floor, Wall, Ceiling and Roof Framing	4
WTC 1103	Windows and Exterior Doors	4

## Second Semester – 12 credits

WTC 1104	Drawings; Cold Steel Framing; Exterior Framing and Roof Applications	4
WTC 1105	Drywall Installation; Drywall finishing; Suspended Ceilings	4
WTC 1106	Doors & Hardware; Windows, Door-ceiling Trims; Cabinets	4

## YEAR 2

## First Semester – 9 credits

WTC 2107	Properties of Concrete, Reinforcing, Handling and Placing Concrete	3
WTC 2108	Rigging Equipment, Rigging Practices; Trenching and Excavating	3
WTC 2109	Foundations and On Grade Slabs, Vertical and Horizontal Formwork; Tilt-up Panels	3

## Second Semester – 8 credits

WTC 2110	Advanced Roof, Floor and Wall Systems	4
WTC 2111	Introduction to Light Equipment, Welding and Metal Buildings	1
WTC 2112	Site Layout II – Angular Measurement, Advanced Stair Systems and Fundamentals of Crew Leadership	3



# CERTIFICATE PROGRAMMES

The **certificate programme** is designed to provide the graduate with the opportunity for immediate employment in his/her particular occupational field.

The certificate documents that the student has attained job entry competence and is ready for entry level employment.

**NOTE: Certificate courses will not normally transfer into degree programmes.**

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**SEE PAGES 81 - 122 FOR COURSE DESCRIPTIONS.**

## PROGRAMME OVERVIEW

Accounting technicians keep a variety of financial records in businesses. They prepare journal entries, financial statements, bank reconciliations, payroll records, and conduct stock-taking and inventory valuation reports.

This one-year programme is designed to prepare students to enter local businesses as accounting assistants in possession of the latest techniques in the field. It covers a variety of related areas that influence business organisations, such as computing, management, and office skills and provides extensive data entry experience.

## CURRICULUM

TOTAL CREDITS: 32

## YEAR 1

## First Semester – 18 credits

ACC 1041	Practical Accounting Procedures I	3
CIS 1120	Intro to Business Applications of Computers	3
CSC 1110	Learning Strategies for Student Success	1
ENG 1044	Communication for Industry I	3
MAT 1034	Business Mathematics	3
MGN 1017	Foundations of Business	3
MGN 1040	Communication and Presentation Skills	2

## Second Semester – 14 credits

ACC 1042	Practical Accounting Procedures II	3
ACC 1043	Accounting and Technology	3
ACC 1050	Introduction to QuickBooks®	3
CIS 1060	Office Application Certification	1
ENG 1045	Communication for Industry II	3
MGN 1016	Accounting Assistant Work Placement	1

## PROGRAMME OVERVIEW

This two-year foundational programme is designed primarily for students who require technical core subjects to be successful in technical programmes. This unique programme allows students to complete core courses while exploring the various technical disciplines. It also affords students the opportunity to enhance their knowledge and skills in mathematics, science, communication and computers.

The exposure received in this programme is especially useful for students who may be unsure of their career choice. Upon completion of this foundational Certificate in Applied Science, students may then choose to earn a certificate or an associate degree, in a specific trade/discipline (e.g. Plumbing, HVAC, Electrical Wiring Technology, Wood Technology, Motor Vehicles Technology, or Computer Information Systems).

## CURRICULUM

TOTAL CREDITS: 56

## YEAR 1

## First Semester – 16 credits

CSC 1100	Learning Strategies for Student Success	1
ENG 1044	Communications for Industry I	3
NCC 1110	Intro to Construction Technology and Trades/Technical Job Skills	5
TMM 1001	Technical Math I	3
TSM 1101	Technical Science I	4

## Second Semester – 16 credits

ENG 1045	Communications for Industry II	3
TEC 1004	Intro to Electricity and Electronics	3
TEC 1006	Intro to Materials and Mechanics	3
TMM 1002	Technical Math II	3
TSM 1102	Technical Science II	4

## YEAR 2

## First Semester – 13 credits

TEC 1000	Intro to Computer Aided Technical Drawing	3
TEC 1002	Intro to Programming for Technicians	3
TEC 1010	Intro to Engineering and Design	3
Technical Electives (Choose any 1100-level course from PLM, ELN, MVT, HVA, CIS, WTC)		4

## Second Semester – 11 credits

TEC 1020	Capstone Project for Technology and Trades	3
Technical Electives (Choose any 1100-level course from PLM, ELN, MVT, HVA, CIS, WTC)		8

*\*One must be in the final semester of this programme*

## PROGRAMME OVERVIEW

In an effort to deliver a curriculum which is both current and timely, Bermuda College in collaboration with the Electrical Occupational Advisory Committee (EOAC) and the National Joint Apprenticeship and Training Committee (NJATC) of America has adopted this comprehensive modular programme as the standard for apprenticeship training in Bermuda. The programme will take five years to complete and upon successful completion of the entire course, the student will be certified as a Journeyman Inside Wireman by both the NJATC and Bermuda College. The NJATC certificate is highly regarded in the US, Canada, and around the world wherever US and Canadian electrical standards are in use.

Studying under the guidance of an experienced lecturer, students work through the modules in order, covering theoretical concepts while honing their practical skills. The passing grade for each module is 75%.

The apprenticeship programme is very broad-based, covering all areas of the trade and providing the graduate with the skill, knowledge and confidence to enter a dynamic and exciting industry. Additionally, instructors in the programme bring meaning to a high tech industry that is more rapidly changing than the curriculum can reflect. The experience and understanding that these individuals bring to the classroom make the programme the most unique way to learn to work in the electrical industry.

## CURRICULUM

## Each module is one (1) credit

ELN 1101	How to Study This Course and Achieve Your Personal Goals	ELN 3130	Grounding and Bonding Fundamentals
ELN 1102	Introduction to Test Instruments and Overcurrent Protection Devices	ELN 3131	The Grounding Electrode System
ELN 1103	Building Wire Construction and Insulation Properties	ELN 3132	Personnel Protection and Ground Fault Protection of Equipment
ELN 1104	Conduit Fabrication	ELN 3133	Grounding and Bonding of Electronic Equipment
ELN 1105	The Metric System and Metrication Changes	ELN 3134	Review of the Theory of Three Phase Transformers
ELN 1106	Blueprint Reading and Sketching	ELN 3135	NEC: Overcurrent Protection
ELN 1107	DC Theory: OHM'S Law	ELN 3136	NEC: Transformer Protection and Ground Fault Protection
ELN 1108	The DC Series Circuit	ELN 4137	Lightning Protection Systems
ELN 1109	The DC Parallel Circuit	ELN 4138	AC Alternators
ELN 1110	The DC Combination Circuit	ELN 4139	Electronic Variable Speed-Control
ELN 1111	Norton's and Thevenin's Theorems and Kirchoff's Laws	ELN 4140	Motor Starters, Contactors and Control Relays
ELN 1112	Intro to the National Electrical Code	ELN 4141	Manual and Automatic Operating Devices
ELN 2113	Testing and Measuring with the Analog and Digital Multimeter	ELN 4142	Timing Devices and DC Motor Controls
ELN 2114	Developing NEC Code Book Skills	ELN 4143	AC Motor Speed Control and Troubleshooting
ELN 2115	Understanding the Design and Function of AC and DC Generators	ELN 4144	Digital Electronics and Boolean Algebra
ELN 2116	Laying-Out Residential Circuits and Basic Estimating	ELN 4145	The Allen Bradley SLC 500 Family PLC's
ELN 2117	AC Theory: Inductance	ELN 4146	Air Conditioning and Refrigeration
ELN 2118	AC Theory: Capacitance	ELN 4147	Cable Tray Systems and the NEC
ELN 2119	Working with Series and Parallel RL & RC Circuits	ELN 4148	NEC: Hazardous-Locations Wiring Methods and Equipment
ELN 2120	Analysing and Working with Combination RLC Circuits	ELN 5149	Motivation and Leadership
ELN 2121	Filters, Power Factor and Power Factor Correction	ELN 5150	Fire Alarm Systems
ELN 2122	Principles of Three Phase Systems	ELN 5151	Introduction to Instrumentation
ELN 2123	NEC - Branch Circuits 1 & 2 and Feeders and Services	ELN 5152	Fundamentals of Controllers
ELN 2124	Cabling Assemblies & Wiring Methods	ELN 5153	Security Systems & Telephone Wiring
ELN 3125	Health and Safety	ELN 5154	Structured Cabling Systems
ELN 3126	Advanced Blueprint Reading	ELN 5155	Solar Power Generation and Fuel Cell Basics
ELN 3127	Semiconductor Theory	ELN 5156	High Voltage Testing
ELN 3128	BJTs, MOSFETs, & Other Transistor Types	ELN 5157	Harmonics and Power Quality Surveys
ELN 3129	Differential & Operational Amplifiers	ELN 5158	Automation Networks
		ELN 5159	Understanding Emergency Building Installation Requirements
		ELN 5160	Electrical Load Calculations

## TOTAL CREDITS: 60

## PROGRAMME OVERVIEW

Developed with the assistance of employers in this field, this competency-based programme usually takes two years to complete. Students will experience lectures, practical assignments, and self-directed activities as they proceed through the programme working with an instructor and being evaluated on a skills basis. In addition to instruction in the theoretical aspects of Heating, Ventilation and Air Conditioning repair, practical experience is an integral part of the programme. Graduates will be eligible to receive an industry-recognised certificate in HVAC from the National Centre for Construction Education and Research (NCCER) and also meet the Bermuda National Training Board standard for certification.

**Prerequisite:** NCCER Core (8CR)

*(Please see NCCER Courses starting on pg. 114)*

## CURRICULUM

TOTAL CREDITS: 59

## YEAR 1

## First Semester - 14 credits

CSC 1110	Learning Strategies for Student Success	1
CSM 1101	Computer Skills Module	2
ENG 1044	Communications for Industry I	3
HVA 1101	Fundamentals of Heating and Cooling	5
MAT 0014 or	Preparatory College Mathematics I	
TMM 1001	Technical Math I	3

## Second Semester - 16 credits

ENG 1045	Communications for Industry II	3
HVA 1102	Mechanical Maintenance	3
HVA 1103	HVAC Controls	3
HVA 1104	Refrigeration System Service	4
MAT 0015 or	Preparatory College Mathematics II	
TMM 1002	Technical Math II	3

## YEAR 2

## First Semester - 14 credits

HVA 1105	Senior Student Project I	2
HVA 1106	Troubleshooting Heating	3
HVA 2107	Troubleshooting Cooling	3
HVA 2108	Hydronics	2
TSM 1101	Technical Science I	4

## Second Semester - 15 credits

HVA 2109	Senior Student Project II	2
HVA 2110	System Performance	3
HVA 2111	Energy Management	3
HVA 2112	System Design	3
TSM 1102	Technical Science II	4



## PROGRAMME OVERVIEW

The Automotive Technology Certificate Programme at Bermuda College has been developed in partnership with the Automotive Industry and the National Training Board (NTB). The curriculum is designed to meet international and local industry standards with the intent that students be competent to sit the Automotive Service Excellence (A.S.E.) and City & Guilds international certifications. This modularised programme is full-time and takes two years to complete. Students will experience lectures, practical exercises, assignments and self-directed activities as they progress through the modules, working with the lecturer and being evaluated on a skills basis, in addition to industry experience which is compulsory in the second year of the course.

Upon completion, students will be eligible to receive an industry-recognised degree in automotive technology from Bermuda College and enter the automotive industry as a second-year apprentice automotive technician.

**Prerequisite:** NCCER Core (8CR)

*(Please see NCCER Courses starting on pg. 114)*

## CURRICULUM

TOTAL CREDITS: 56

## YEAR 1

## First Semester - 18 credits

CSC 1110	Learning Strategies for Student Success	1
CSM 1101	Computer Skills Module	2
ENG 1044	Communications for Industry I	3
MAT 0014 or	Preparatory College Mathematics I	
TMM 1001	Technical Math I	3
MVT 1104	Electrical Systems	3
MVT 1105	Battery/Charging Systems	3
MVT 1106	Starting Systems	3

## Second Semester - 12 credits

ENG 1045	Communications for Industry II	3
MAT 0015 or	Preparatory College Mathematics II	
TMM 1002	Technical Math II	3
MVT 1101	Ignition Systems	2
MVT 1102	Fuel/Exhaust Systems	2
MVT 1103	Exhaust Emissions Systems	2

## YEAR 2

## First Semester - 13 credits

MVT 2107	Braking Systems	3
MVT 2108	Hydraulic Brake Systems	3
MVT 2109	Anti-lock Brake Systems	3
TSM 1101	Technical Science	4

## Second Semester - 13 credits

MVT 2110	Steering Systems	3
MVT 2111	Power Steering Systems	3
MVT 2112	Suspension Systems	3
TSM 1102	Technical Science II	4

## PROGRAMME OVERVIEW

Developed with the assistance of employers in this field, this competency-based, modularised programme usually takes two years to complete. Students will experience lectures, practical assignments and self-directed activities as they progress through the modules, working with an instructor and being evaluated on a skills basis. Graduates will be able to sit the City and Guilds Scheme 6129 examinations and also meet the National Training Board (NTB) and National Centre for Construction Education and Research (NCCER) standards for entering the plumbing trade.

**Prerequisite:** NCCER Core (8CR)

(Please see NCCER Courses starting on pg. 114)

## CURRICULUM

TOTAL CREDITS: 58

## YEAR 1

## First Semester – 17 credits

		Credits
CSC 1110	Learning Strategies for Student Success	1
CSM 1101	Computer Skill Module	2
ENG 1044	Communications for Industry I	3
MAT 0014 or	Preparatory College Mathematics I	
TMM 1001	Technical Math I	3
PLM 1101	Introduction to the Plumbing Profession, Safety and Tools	4
PLM 1102	Plastic Pipe, Copper, Cast Iron, Steel Pipe and Fittings	2
PLM 1103	Fixtures and Faucets, Drain, Waste and Vent Systems, Water Distribution Systems	2

## Second Semester – 16 credits

ENG 1045	Communications for Industry II	3
MAT 0015 or	Preparatory College Mathematics II	
TMM 1002	Technical Math II	3
PLM 1104	Commercial Drawings, Hangers and Supports, Installing DWV Piping	4
PLM 1105	Types of Valves, Installing Water Supply Piping, Installing Fixtures and Faucets	3
PLM 1106	Installing Water Heaters, Servicing Fixtures, Valves, and Faucets	3

## YEAR 2

## First Semester – 13 credits

PLM 2107	Sizing Water Supply Piping, Potable Water Treatment	3
PLM 2108	Backflow Preventers, Types of Venting, Sizing DWV Systems	4
PLM 2109	Sewage Pumps, Compressed Air	2
TSM 1101	Technical Science I	4

## Second Semester – 12 credits

PLM 2110	Business Principles for Plumbers, Water Pressure Systems	3
PLM 2111	Codes, Private Water Supply Well Systems	3
PLM 2112	Swimming Pools and Hot Tubs, Plumbing for Mobile Homes	2
TSM 1102	Technical Science II	4

## PROGRAMME OVERVIEW

This programme has been designed to meet both the needs of the local carpentry industry and the requirements of the National Training Board and the National Centre for Construction Education and Research (NCCER). Students in the programme can expect to experience practical assignments, lecturers and field trips to local building sites and industries. The self-directed activities and supervised assistance will enable students to progress successfully through this programme.

**Prerequisite:** NCCER Core (8CR)

(Please see NCCER Courses starting on pg. 114)

## CURRICULUM

TOTAL CREDITS: 61

## YEAR 1

## First Semester - 18 credits

CSC 1110	Learning Strategies for Student Success	1
CSM 1101	Computer Skills Module	2
ENG 1044	Communications for Industry I	3
MAT 0014 or	Preparatory College Mathematics I	
TMM 1001	Technical Math I	3
WTC 1101	Orientation, Materials, Fasteners, Hand and Power Tools	1
WTC 1102	Floor, Wall, Ceiling and Roof Framing	4
WTC 1103	Windows and Exterior Doors	4

## Second Semester - 18 credits

ENG 1045	Communications for Industry II	3
MAT 0015 or	Preparatory College Mathematics II	
TMM 1002	Technical Math II	3
WTC 1104	Drawings; Cold Steel Framing; Exterior Framing and Roof Applications	4
WTC 1105	Drywall Installation; Drywall Finishing; Suspended Ceilings	4
WTC 1106	Doors & Hardware; Windows, Door-ceiling Trims; Cabinets	4

## YEAR 2

## First Semester - 13 credits

TSM 1101	Technical Science I	4
WTC 2107	Properties of Concrete, Reinforcing, Handling and Placing Concrete	3
WTC 2108	Rigging Equipment, Rigging Practices; Trenching and Excavating	3
WTC 2109	Foundations and On Grade Slabs, Vertical and Horizontal Formwork	3

## Second Semester - 12 credits

TSM 1102	Technical Science II	4
WTC 2110	Advanced Roof, Floor and Wall Systems	4
WTC 2111	Introduction to Light Equipment, Welding and Metal Buildings	1
WTC 2112	Site Layout II - Angular Measurement, Advanced Stair Systems and Introduction to Project Management and Supervision	3



# TRANSFER PATHWAYS

**Bermuda College** has established a number of pathways so that one can earn a bachelor's degree. Credits can be transferred from the Bermuda College associate degree to an overseas partner institution to complete the baccalaureate degree.

## TRANSFER PATHWAYS

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### Articulation Agreements and Partnerships

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## TRANSFER CREDIT AGREEMENTS AND PARTNERSHIPS

### TRANSFER PATHWAYS AND PARTNERSHIPS

Bermuda College has established over 30 agreements with colleges and universities in Canada, the United Kingdom, the United States of America, and the Caribbean Islands/West Indies. The purpose of these agreements is to formalise the pathways for Bermuda College students to continue their studies abroad. Transfer Credit Agreements facilitate a seamless transfer to baccalaureate programmes for Bermuda College graduates, with completion of the bachelor's degree in just 2 years after completion of the BC associate degree. Students are encouraged to make an appointment with the Bermuda College Career & Counselling Centre to ensure that they meet the requirements for transfer to the partner school selected. Visit the Bermuda College website to view the list of schools and to determine whether the proposed course of study is covered by the existing agreements. Information can be found at: [www.college.bm/pathways](http://www.college.bm/pathways)

### TRANSFER PATHWAYS AND ARTICULATION AGREEMENTS

Use the Transfer Pathways web pages to view these partnerships, browse by area of study, and to see the course comparison charts between Bermuda College and partner institutions:

Learn more about the Transfer Pathways programme. View a Quick List of partner institutions and transfer programmes from the BC associate degree to the bachelor's degree at the partner institution:

<https://www.college.bm/pathways>

Visit the Virtual Transfer Pathways Fair main page which shows all partner institutions and whom to contact. One can also browse by academic discipline (subject area):

[www.college.bm/about/transfer-pathways/transfer-pathways-fair](http://www.college.bm/about/transfer-pathways/transfer-pathways-fair)

BC Course Equivalents at Partner Institutions

[www.college.bm/about/transfer-pathways/transfer-pathways-fair](http://www.college.bm/about/transfer-pathways/transfer-pathways-fair)

# TRANSFER



### ONLINE OPTIONS

**View options to earn your bachelor's degree online, without leaving Bermuda**

To meet a growing demand for online study after Bermuda College, we have partnerships with several institutions that will allow the Bermuda College graduate possessing an associate degree to matriculate at institutions abroad from the convenience of his/her own surroundings. Those partnerships are described in detail at the link, "Online Options."

[www.college.bm/about/transfer-pathways/transfer-pathways-fair/1118](http://www.college.bm/about/transfer-pathways/transfer-pathways-fair/1118)

### FOUNDATION YEAR DIPLOMAS

The Foundation Year is a diploma programme that will customise the Bermuda College experience for students who desire to study on island for one year before matriculating to North America or to the United Kingdom. There are two Foundation Year Diploma Programmes offered. The courses specified for completion of the North American Foundation Year Diploma facilitate a seamless transition from Bermuda College with a general education core that places BC students on the pathway to earning the bachelor's degree in North American institutions of higher education. A separate Foundation Year Certificate is particularly useful for UK-bound students. It provides a portable credential that will be fully useful for transfer to institutions located in the UK. The UK Foundation Year Diploma is designed to be accepted for admissions to Year 1 of bachelor's degree programmes in the UK, which are, typically, three years in length. Students would still need to apply to UK institutions through UCAS and have their full application reviewed. Key to transfer using the Foundation Year Diplomas is 1) declaring and communicating with the location for further study: North America or the United Kingdom; and 2) maintaining a full-time course load throughout the year. Additionally, some transfer partners will require prospective students to have maintained a 3.00 cumulative GPA on a 4-point grading scale whilst completing the Foundation Diploma.

# PATHWAYS

# University Programmes Offered in Bermuda

## MOUNT SAINT VINCENT UNIVERSITY Nova Scotia, Canada



### DEGREES IN ASSOCIATION WITH BERMUDA COLLEGE BACHELOR OF BUSINESS ADMINISTRATION

The Bachelor of Business Administration (BBA) degree in association with Bermuda College is designed for students who have graduated from either the Bermuda College Associate of Arts (Business Administration) or Associate of Applied Science (Business Administration) degrees. The Associate degree is, in effect, the first two years of the BBA degree with the remaining two years to be completed in association with Mount Saint Vincent University. Students who have earned degrees in other disciplines or at other institutions may also be qualified and should contact the Programme Coordinator to obtain more details regarding individual programme requirements.

#### Course Offerings

For more than 35 years, MSVU has offered courses at a distance, including its Bachelor of Business Administration and Bachelor of Tourism and Hospitality Management programmes. For years, students from around the world, including Bermuda, have benefitted from the expertise of MSVU Business & Tourism faculty in such areas as Marketing, Management, Strategic Human Resources Management, Non-Profit Leadership, and Tourism and Hospitality Management – without ever having to leave home. Students can take an entire Business or Tourism degree online at MSVU.

Similar to in-person classes, there are a variety of teaching methods used in online classes. A unique benefit of the online classroom: Students can often replay lectures because sessions are recorded. For synchronous courses (meaning that they occur at a specific day and time during which the class gathers online as a group), students can also ask their professors questions and contribute to class discussion in real-time.

#### Programme Options

The Bachelor of Business Administration (BBA) is designed to meet your needs and interests while providing a solid foundation in accounting, finance, management, marketing, and strategic human resource management.

Majors	Concentrations	Minors
Accounting	Accounting	Accounting
Management	Economics	Finance
Strategic Human	Management	Management
Resource Management	Marketing	Marketing
Non-profit Leadership	Strategic Human Resource	Strategic Human Resource
	Management	Management
	Tourism & Hospitality Management	Non-profit Leadership
	Non-profit Leadership	Tourism & Hospitality
		Management

## FRAMINGHAM STATE UNIVERSITY



### THE MASTER OF EDUCATION (M.ED.) AND GRADUATE CERTIFICATE IN EDUCATIONAL LEADERSHIP

**Programme Description:** The Graduate Certificate in Educational Leadership is designed to provide qualified and experienced educators with the knowledge and skills necessary to assume leadership positions in schools. This certificate does not lead to teacher licensure in Massachusetts. The programme emphasises the role of school leader as collaborator and creator of a supportive and stimulating environment for students and teachers. Although this programme has no formal practicum experience, all courses in the programme will contain field-based experiences related to that subject area. Students who successfully complete the certificate programme can later apply these courses to the Master of Art in Educational Leadership, once an application has been submitted and accepted. The certificate programme is composed of four (4) graduate-level courses covering Research and Evaluation, Technology Applications for School Leaders, Collaborative Leadership and Organisational Change, and Supervision and Staff Development.

**Programme Requirements and Delivery Method:** This is a fully online programme, the certificate programme consists of 4 courses and the Master's programme consists of 10 – three (3) core courses and seven (7) concentration courses. As a culminating experience, each matriculated student in the Educational Leadership programme is required to complete a portfolio to be turned in at the end of the student's final course and submitted to the C. Louis Cedrone International Education Center at Framingham State University.

**Admission Requirements:** The applicant must have a baccalaureate degree from a regionally accredited college or university. An applicant with a foreign degree must submit official transcripts to an accredited evaluation agency to determine if one has the equivalent to a U.S. Bachelor's degree. Names of the accredited agencies are available upon request.

A minimum 2.7 cumulative GPA (on a 4.0 scale) is preferred for admission. The applicant must have a minimum of three (3) full years of employment as a teacher.

# University Programmes Offered in Bermuda

## FRAMINGHAM STATE UNIVERSITY



### MASTER OF BUSINESS ADMINISTRATION CONCENTRATION IN MANAGEMENT (FULLY ONLINE PROGRAMME)

**Programme Description:** In partnership with Bermuda College, the Master of Business Administration (MBA) is accredited by the International Accreditation Council for Business Education (IACBE), one of the top three accrediting agencies for MBA programmes.

The management concentration is structured to equip mid-level managers and business professionals for leadership and management roles. Students learn to link theory with practice, and to recognise the ethical, legal, and multidisciplinary demands of a business environment that is increasingly global, technology-oriented, and diverse.

**Programme Requirements:** Each FSU course is offered for one (1) course-credit, which is equivalent to four (4) semester hours. The Management concentration consists of 12-13 courses (or 48-52 semester hours), consisting of (8) Core courses, four (4) Concentration courses and one (1) Pre-Core requirement (the pre-core requirement may be waived for candidates who meet the proficiency requirements upon admission).

Prior to enrolling in Core or Concentration courses, students are required to demonstrate proficiency in the following areas: financial accounting, managerial accounting, economics, and statistics.

Proficiency may be demonstrated in one of the following ways:

Appropriate undergraduate or graduate coursework completed with a grade of "B" (3.00) or better earned prior to the date of application to the MBA program. The Admissions Committee will evaluate each applicant's academic record to determine whether undergraduate proficiency requirements have been met.

Demonstrated proficiency through professional development and experience as evaluated in the applicant's professional resume.

*Students without appropriate prior academic coursework may demonstrate proficiency by taking a College-Level Examination Program (CLEP) test in an appropriate subject area or may make a written request for a waiver.*

NOTE: Students who do not meet the proficiency requirements are required to take the Pre-Core Requirement course *MGMT 905 Analytical Tools for Managers* in their first semester, bringing the course requirements to 13 total (52 semester hours).

#### FOR MORE INFORMATION REGARDING:

- MSVU Bachelor of Business Administration
- FSU M.Ed. and Graduate Certificate in Educational Leadership
- FSU MBA Concentration in Management (Fully Online Programme)

#### CONTACT:

External Programmes and Agreements Coordinator  
Dr. Constance Ridley-Smith | T: 239-4120 ■ E: [csmith@college.bm](mailto:csmith@college.bm)



## MANY PATHS. DISCOVER YOURS.



We are dedicated to offering the highest standards of academic and professional excellence

*Below: Sept. 2013 agreement enables students to earn a baccalaureate degree in Finance or Risk Management in Bermuda*



**Top Left:** Lecturer Donnell Wilson and new insurance program students in the late 90s



**Right:** Gazette feature of President, Dr. Hallett, with a few of 40 College scholarship recipients



MANY PATHS.  
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# COURSE DESCRIPTIONS

**Credit courses** are those subjects taught within programmes that can earn the student cumulative academic credits toward his/her degree, diploma or certificate.

## CREDIT COURSE DESCRIPTIONS

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## Course Descriptions - Credit Courses

All Bermuda College courses are listed below in alphabetical order.

**Codes for Courses usually offered:**

**FA - Fall Semester • SP - Spring Semester • SM - Summer Session**

**All other courses are offered on rotation.**

### Notes on Prerequisites

**NOTE 1:** Where no prerequisite is stated for a course, entry is obtained by the satisfaction of the General and Programme Entry Requirements of the programmes of which the course forms a part.

**NOTE 2:** Where the prerequisite to a course is stated in terms of another Bermuda College course (eg. BIO 1102 of which BIO 0013 is the stated prerequisite) or an acceptable alternative, other qualifications will also be considered for satisfaction of the prerequisite, as follows:

- at least a “C” standing in the same subject at Ordinary level or equivalent in the GCE, GCSE, or CXC examining systems;
- at least a ‘C’ standing in the same subject in the IGCSE (Extended) exam, and a minimum of\*:
  - Two (2) years, post IGCSE, in the subject area for English and mathematics at the level of:
    - English III and English IV or above;
    - Integrated/Traditional Mathematics or above; and
    - The appropriate CPT scores
  - Four (4) years in the same subject area for science related course
- an SAT score of at least 480 in Evidence-Based Reading and Writing and 530 in mathematics;
- an ACT score of at least 21 in English, 20 in Reading, 20 in mathematics and 23 in Science;
- good standing in a course in the same subject in a Canadian or American university preparatory programme leading to graduation at the Grade 12 level;
- good standing in a course in the same subject in any other programme as determined to be acceptable on an individual basis by the College;
- permission of the lecturer.

\* for Dual Enrolment, see page 6

## ACCOUNTING

### Practical Accounting Procedures I

**ACC 1041 3 FA**

This course is designed as an introduction to analysis, classification, and recording of business transactions in a manual environment with emphasis on the complete accounting cycle for a service business. Includes preparation of financial statements and bank reconciliations. **This course is a certificate course and will not normally transfer into degree programmes.**

### Practical Accounting Procedures II

**ACC 1042 3 SP**

An advanced practical bookkeeping course that encompasses prepaid assets, uncollectible accounts receivable, plant assets and depreciation, notes payable and receivable, accrued revenues and expenses, book-keeping for corporations, cost volume profit analysis, and budgeting. The course also gives students real-life experience with accounting business simulation and working papers. **This course is a certificate course and will not normally transfer into degree programmes. Prerequisite:** ACC 1041

### Accounting and Technology

**ACC 1043 3 SP**

This course is a lab-oriented learning course designed especially to empower the student with the skills needed to provide technical support for the financial administration of the organisation. The course is made up of four modules: word processing, spreadsheet, presentation and file management practices. It is strongly focused on the use of spreadsheets in accounting functions. To complete the course, the student will have to demonstrate his/her competency with lab work that addresses the fusion between real-world accounting and current software applications. **This course is a certificate course and will not normally transfer into degree programmes. Prerequisite:** CIS1120, ACC 1041 MGN1017

**Corequisites:** ACC 1042, ACC 1050, MGN1016

### Introduction to QuickBooks®

**ACC 1050 3**

This course will draw upon the knowledge and skills students have acquired through Practical Accounting and Introduction to Computer Skills. The course is designed for anyone who wants to learn about the QuickBooks® accounting software. It can be used for almost all financial processes such as: entering receipts, tracking expenses, invoicing, payment tracking, purchase orders, preparation of reports, financial statements and bank reconciliation statements. QuickBooks® is your accounting solution for small business clients. **This course is a certificate course and will not normally transfer into degree programmes.**

**Prerequisite:** CIS 1120 **Co-requisite:** ACC 1042

### Accounting I

**ACC 1135 3 FA/SP**

An introduction to the basic theory and applications of contemporary financial accounting, including recording of transactions, measurement of income and the preparation of financial statements.

**Prerequisite:** MAT 0015 or ACC 1041 or equivalent.

## Course Descriptions - Credit Courses

### Computerised Accounting

ACC 1140 3 SP

This course offers an introduction to financial applications that are commonly computerised in today's business environment by providing practical training using theoretical accounting knowledge. This course takes a user perspective by illustrating how accounting information is both created, maintained and used for analysis, problem-solving and decision-making. **Prerequisite:** CIS 1120 **Corequisite:** ACC 1145

### Accounting II

ACC 1145 3 FA/SP

An introduction to managerial accounting. Topics include bonds and long-term notes payable, investments, cash flows, analysis of financial statements, cost accounting, cost-volume-profit analysis, budgeting and managerial decision-making. **Prerequisite:** ACC 1135

### Intermediate Accounting I

ACC 2201 3

A detailed and in-depth study of accounting principles, practices and concepts with emphasis on their application to income determination and asset valuation. **Prerequisite:** A grade of "C" or better in ACC 1135 and ACC 1145

### Intermediate Accounting II

ACC 2202 3

A continuation of ACC 2201 to include the accounting for liabilities, leases, shareholders' equity accounts, consolidations and equity accounting. **Prerequisite:** ACC 2201

### Management Accounting I

ACC 2253 3

A detailed study of cost accounting to include a study of job order accounting, budgeting and standard costing. **Prerequisite:** A grade of "C" or better in ACC 1145

### Management Accounting II

ACC 2254 3

A continuation of ACC 2253 to include the study of inventory control, cost allocation and process costing. **Prerequisite:** ACC 2253

## ACTUARIAL SCIENCE

**Exclusions:** Students cannot receive credit for both MAT 2205 and MAT 2233 and/or MAT 2234.

### Introduction to Actuarial Science

ASC 1101 3

An introduction to various operational aspects of the insurance and reinsurance industry in the sectors of property, casualty and life. The various roles of the actuary within the insurance organisation as well as the basic methodologies of actuarial pricing and reserving are emphasised.

**Prerequisite:** Six credits of mathematics, including MAT 2205

## ALLIED HEALTH

### Introduction to Healthcare

ALH 1101 2 FA

This course is designed to give students interested in allied health professions an overview of the healthcare industry and related courses. Students will explore personal values, and academic goals. Individual and group projects, case studies, and presentations will be utilised as students learn about the educational requirements of specific healthcare degrees and develop the baseline skills necessary for working in healthcare. Critical thinking, ethical reasoning, effective communication and self-directed life-long learning will also be explored. This is a required course for all students in the Pre-Health Science Programme. **Prerequisite:** A grade of "C" or better in ENG 0012 or satisfactory performance on the College Placement Test.

### Medical Terminology

ALH 1102 2 SM

This course is designed to give students interested in healthcare professions, an overview of the principles of medical wording that would assist the student in developing the extensive medical vocabulary used in healthcare occupations. Students will receive a medical terminology foundation through the use of root words, prefixes and suffixes. This course will focus on correct pronunciations, spelling and use of medical terms while providing the students with the knowledge needed to excel at their chosen healthcare profession. This is a required course for all students in the Pre-Health Science Programme. **Prerequisite:** A grade of "C" or better in ENG 0012 or satisfactory performance on the College Placement Test.

### Integrating Research into Evidence-Based Practice in Healthcare

ALH 2201 3

This course engages students in the use of an Evidenced-Based Practice (EBP) model to answer clinical problems experienced by healthcare clinicians when providing patient care. The language of research is applied to reading and appraising healthcare clinical research articles. Reflections of EBP values and development of EBP competencies are identified. Healthcare research is interpreted according to the responsible conduct of research and professional code(s) of ethics. **Prerequisites:** ENG 1112 and MAT at 1100 level or higher.

## ART & DESIGN

### Introductory Drawing

ART 1101 3 FA/SP

A foundation course in drawing. Focuses on the development of the student's awareness of line, tone, proportion, spatial relationships and rhythm. Subject matter will include still life, man-made and natural objects, landscape and non-figurative themes.

## Course Descriptions - Credit Courses

### Introductory Painting

**ART 1102 3 SP**

A foundation course in painting. Focuses on the development of the student's awareness of tone, colour, composition, and spatial relationships. Subject matter will include still life, natural objects, landscape and non-figurative themes. ART 1101 is highly recommended.

### Two-dimensional Design

**ART 1120 3 FA**

A theoretical and practical exploration of the principles of two-dimensional design (line, shape, form, and composition) along with the investigation of various materials and tools, including the computer, so as to establish a framework in which students can solve various design problems.

### Introduction to Colour and Composition

**ART 1135 3 FA**

A theoretical and practical study of colour and composition in art and in nature.

### Introduction to Media Arts

**ART 1140 3 SP**

Introduction to media arts, using the video camera to explore the making of film. Emphasis will be placed on the basic principles of using a video camera, lighting and editing, and students will be expected to use the video to make a film presentation.

### Introductory Sculpture

**ART 1122 3 FA**

A theoretical and practical exploration of the principles of three-dimensional design (line, shape, form, mass, space and composition) focusing on traditional sculpting methods (clay, carving, mould making, assemblage, etc.). The investigation of various materials and tools, including the computer, so as to establish a framework in which students can solve various design problems, also occurs. **Prerequisite:** ART 1120

### Intermediate Drawing

**ART 2211 3 SP**

Drawing as a means to express and explore form, space, tone, texture and composition in a variety of drawing media, with opportunity for individual expression and refinement. **Prerequisite:** ART 1101

### Intermediate Sculpture

**ART 2221 3 FA**

A continuation of ART 1122 Introductory Sculpture with opportunity for more individual expression and refinement while focusing on contemporary sculpting practices (fabrication, installation art, public art, performance art, etc.). The investigation of various materials and tools, including the computer, to establish a framework in which students can solve various design problems, also occurs. **Prerequisite:** ART 1122

### Intermediate Painting

**ART 2230 3 FA**

A more detailed study in painting, using acrylics, oils, or watercolour to explore inherent qualities in each medium. Emphasis will be placed on tone, colour and composition. **Prerequisite:** ART 1102

### Intermediate Colour and Composition

**ART 2235 3 SP**

A more detailed study of colour phenomena and its application to art, such as transparency, translucency, iridescence and luminescence. Students will be expected to apply this information to their own works of art. **Prerequisite:** ART 1135

### Introduction to Graphic Design

**ART 2250 3 FA**

Introduction to graphic design with emphasis on layout and design, colour in graphics, typography, the printing process and the application of the computer to these processes. **Prerequisites:** ART 1102 and ART 1135

### Figure Drawing

**ART 2278 3 SP**

A study of the proportions and anatomy of the human form from the model. Emphasis on line and contour in short poses. **Prerequisite:** ART 1101

### Special Topics in Art

**ART 2298 3**

Designed to allow the interested student an opportunity either for in-depth inquiry into a topic covered in another 2200-level course or for the study of a special technique, design principle or medium. **Prerequisite:** Appropriate 1100-level courses and/or a 2200-level course relevant to the topic.

## ART HISTORY

### Introduction to Art History I

**AHS 1126 3 FA**

An historical survey of the development of western art and architecture from the earliest times to the Renaissance. **Prerequisite:** A grade of "C" or better in ENG 0012

### Introduction to Art History II

**AHS 1127 3 SP**

An historical survey of the development of western art and architecture from the Renaissance to the Modern Era. **Prerequisite:** AHS 1126

### Nineteenth Century Art

**AHS 2280 3 FA**

A study of European art, 1800 to 1855, including painting, sculpture, architecture and decorative arts from the Neo-Classical and Romantic periods to the height of the Victorian era. Primary topics and artists: Delacroix and romanticism in France; Turner and British romantic landscape painting; the pre-Raphaelites, Courbet and the French realist, Goya. **Prerequisites:** AHS 1126 and AHS 1127

## Course Descriptions - Credit Courses

### Modern Art

**AHS 2285 3**

As the second part of a year-long study of nineteenth and twentieth century Western art, the course examines the roots and emergence of modernism in Europe, tracing this development in painting, sculpture, architecture and the decorative arts ending with a focus on late and post-modernism. **Prerequisites:** AHS 1126 and AHS 1127

### Postcolonial Visual Art

**AHS 2290 3**

This is a course of study on contemporary cross-cultural visual art in relation to its colonial heritage. Responses to the colonial archive are a significant current in late 20th and early 21st century culture. In many different contexts visual artists have critiqued and deconstructed dominant Western myths and stereotypes. In this course we will address such responses, and the issues that they raise about relationships between cultures.

### Special Topics in Art History

**AHS 2298 3**

Designed to allow the interested student an opportunity either for in-depth inquiry into a topic covered in another 2200-level course or for the study of a special topic or theme in Art History. The topics will vary from time to time. **Prerequisite:** Appropriate 1100-level courses and/or a 2200-level course relevant to the topic.

## BIOLOGY

**Exclusions: Students cannot receive credit for both BIO 1102 and BIO 1121. Students that receive credit for BIO 2211 and/or BIO 2212, cannot receive credit for BIO 1104.**

### Preparatory Biology

**BIO 0013 0 FA/SP**

General concepts and principles in biology. Topics include characteristics of life, introductory chemistry and biochemistry, cell structure and function, photosynthesis, cell respiration, patterns of inheritance, human genetics and mutations. Laboratory. A grade of "C" or better will be required to advance to the 1100-level courses. **Corequisite:** MAT 0014

### Introduction to the Life Sciences

**BIO 1102 4 FA**

The focus initially is on methodology and major concepts in the life sciences. Elementary studies at the cell level for animals and plants will involve some related basic chemistry and physics. Laboratory techniques will be developed. This survey course is appropriate for those students who do not plan to specialise in the biological sciences. (It is also appropriate for mature students or persons with post-secondary or broad general experience but without formal science preparation).

### General Human Biology

**BIO 1104 4 SP**

The second half of two courses for non-biology majors needing to fulfil a natural science requirement. This course will focus on basic human gross anatomy, basic physiology and some basic pathology.

### Plants in the Service of Humanity

**BIO 1107 4**

This natural science course for non-science majors, explores the plant kingdom and its interaction with humanity throughout time. In this course the anatomy and biodiversity of plants and their ongoing relationship with humans throughout history is explored in areas such as shelter, fuel, clothing, food, and medicine.

### Principles of Biology I

**BIO 1121 4 FA/SP**

Designed for students intending to pursue further studies in the biological sciences, this course is the first of two providing a comprehensive introduction to biology. The aim is to foster a realisation of the underlying similarities of organisms and an appreciation of their diversity. Topics include cellular processes with a focus on biochemistry, histology, evolution, genetics, and taxonomy. A sound background in chemistry, physics and mathematics is essential. Laboratory.

**Prerequisites:** A grade of "C" or better in BIO 0013 and MAT 0015, or alternative in Biology (with Lab); **Corequisite:** MAT 1105

### Principles of Biology II

**BIO 1122 4 FA/SP**

A continuation of BIO 1121. This course will further explore variation and biological continuity through genetics, development and ecology as well as provide an introduction to basic physiological systems. Laboratory.

**Prerequisite:** BIO 1121

### Cellular Biology

**BIO 2210 4**

A comprehensive survey of the structure and function of the unit of life. Emphasis is placed on molecular constituents and intercellular components. Cellular modifications and the cellular nature of organisms will be examined. Laboratory. **Prerequisites:** BIO 1122 and CHM 0013;

**Corequisite:** MAT 1141

### Anatomy and Physiology I

**BIO 2211 4 FA**

Exploration of the intricate functions of the human body with emphasis on the physiological functions of the integumentary, skeletal, muscular, nervous and the endocrine systems. Integration of the human body will be studied as a whole focusing on the major theme of homeostasis. Laboratory. **Prerequisite:** BIO 1122



## Course Descriptions - Credit Courses

### **Anatomy and Physiology II**

**BIO 2212 4 SP**

A continuation of Anatomy and Physiology I, with emphasis on the cardiovascular system, the lymphatic system and immunity, the respiratory system, the digestive system and metabolism, the urinary system, fluid/electrolyte and acid/base balance, and the reproductive systems. Integration of the human body will be studied as a whole focusing on the major theme of homeostasis. Case study investigations will be explored. Laboratory. **Prerequisite:** BIO 2211

### **Molecular Medicine**

**BIO 2221 3**

Molecular Medicine is an advanced molecular biology course which explores the link between molecular biology, biochemistry and medicine. This course covers both the findings of basic research to uncover the underlying cause of diseases and delves into the application of such knowledge and how it can lead to better diagnostic and treatment options to improve clinical outcomes. This course is designed for students majoring and advancing in science discipline and provides a firm foundation for medicine. In addition, it will provide an understanding of how the body works, what happens to cause disease and how to create new types of diagnostic tests and forms of treatments. **Prerequisite:** BIO 1121 or lecturer's permission

### **Medical Microbiology**

**BIO 2222 4 FA**

A course designed for students intending to pursue further studies in the biological sciences. This course is structured to provide a comprehensive introduction to medical microbiology. The aim is to foster in-depth knowledge of infectious microorganisms, their biochemistry and how they infect the organ systems of the human body. Basic microbiological principles with a focus on taxonomy, cell morphology and human pathologies caused by microorganisms. **Prerequisite:** BIO 1122

### **Medical Nutrition**

**BIO 2250 4 SP**

This course offers an introduction to the foundations of nutritional medicine. It is designed for students interested in health science. In this course the introduction and discussion of current trends in clinical nutrition as well as nutritional analysis and assessment are explored. Also covered are the general biochemistry and function of nutrients. Selected diseases prevented or managed by nutrition will be explored as well. Course topics in nutritional medicine include weight management, cancer support, cardiovascular disease, diabetes mellitus, food intolerances and allergies. This course is highly recommended for students that are registered in the nursing programme. Laboratory. **Prerequisite:** BIO 1122

### **Introduction to Pathophysiology**

**BIO 2260 3**

This course offers an introduction to the foundation of pathophysiology and is designed for students who are interested in a career in medicine

and allied health. This course is presented as a general overview of the functional changes that result in disease, and selected prevalent diseases are explored by way of the systems of the human body. Throughout the course, an emphasis will be placed on the underlying cellular and molecular mechanism of the physiological abnormalities occurring in clinically prevalent disease states resulting from the regulatory mechanism of the body becoming out of balance. The body systems are covered at different stages of life and case-based exercises allow for the application of the course material to real-life practice in the healthcare context. BIO 2260 students will also have the opportunity to explore current trends in literature regarding the prevention, management and treatment of disease from the functional perspective. An excellent foundation in anatomy and physiology is essential. **Prerequisite:** BIO 2212

### **Special Topics in Biology**

**BIO 2298 3**

Provides an opportunity for in-depth study at the 2200-level of a topic available as a special offering. This may be material that has been initially explored at the 1100-level or new material for whose development and exploration there has been provided an appropriate base via a 1100-level course. **Prerequisites:** Appropriate 1100-level courses and/or a 2200-level course relevant to the topic.

## CHEMISTRY

### **Preparatory Chemistry**

**CHM 0013 0 FA/SP**

A one-semester course designed to introduce students to the language, tools and theories of chemistry. Topics included in this course are as follows: elements, compounds, mixtures, atoms, matter, bonding, introductory organic chemistry and biological chemistry. Laboratory. A grade of "C" or better will be required to advance to the 1000-level courses. **Corequisite:** MAT 0014

### **Principles of Chemistry I**

**CHM 1111 4 FA**

A survey of fundamental principles of physical and inorganic chemistry. Topics include: atomic theory, periodic trends, quantum theory and electronic arrangement, chemical bonding, molecular geometry, gas laws, mass relationships and chemical reactions. **Prerequisites:** A grade of "C" or better in CHM 0013 and MAT 0015. **Corequisite:** MAT 1105

### **Principles of Chemistry II**

**CHM 1112 4 SP**

A survey of fundamental principles of organic and biological chemistry. Topics include: Chemistry of hydrocarbons; alkanes, alkenes, aldehydes, alcohols, ketones, carboxylic acids, esters, amines and amides and the chemistry of biological molecules; lipids, carbohydrates, amino acids, nucleic acids and enzymes. **Prerequisite:** CHM 1111



## Course Descriptions - Credit Courses

### Organic Chemistry I

**CHM 2256 4 FA**

A broad introduction to the behaviour of aliphatic and aromatic carbon compounds, including hydrocarbons, alcohols, aldehydes and ketones, stereo-isomerism, optical activity and spectroscopy. Laboratory.

**Prerequisite:** CHM 1112

### Organic Chemistry II

**CHM 2257 4 SP**

A continuation of an introduction to the behaviour of aliphatic and aromatic carbon compounds including acids, amines, amino acids, carbohydrates, proteins, nucleic acids and natural products. Laboratory.

**Prerequisite:** CHM 2256

### Special Topics in Chemistry

**CHM 2298 3**

Provides an opportunity for in-depth study at the 2200-level of a topic available as a special offering. This may be material that has been initially explored at the 1100-level or new material for whose development and exploration there has been provided an appropriate base via a 1100-level course. **Prerequisite:** Appropriate 1100-level courses and/or a 2200-level course relevant to the topic.

## COLLEGE SKILLS

### Learning Strategies for Student Success

**CSC 1110 1 FA/SP/SM**

This course is designed to help students improve their college readiness, enhance their college experience, and improve learning skills. Students will master strategies and practical skills that will enable them to learn effectively. Topics include but are not limited to campus resources, time management, emotional intelligence, learning styles, reading strategies, library research, note-taking and study techniques. This course is intended to be completed in the first semester.

## COMPUTER SKILLS

### Computer Skills Module

**CSM 1101 2 FA**

This course is designed to introduce the student to basic computer software applications in Microsoft® Word, Excel and PowerPoint.

## COMPUTER STUDIES

### Office Application Certification

**CIS 1060 3**

This course requires independent study and practice to successfully complete at least four applications to include, as a minimum, word processing, spreadsheet, presentation software, web browsing and

communication. Either the International Computer Drivers Licence (ICDL) or the Microsoft Office Specialist (MOS) certifications will be considered acceptable. **This course is a certificate course and will not normally transfer into degree programmes.**

### Introduction to Business Applications of Computers

**CIS 1120 3 FA/SP/SM**

Intended to provide students with an initial exposure to the main areas of software used in business: word processing, spreadsheets and presentation software. Additionally, an introduction to database management will be provided. A consideration of business application software in the context of the overall computer system will also be covered to include an overview of computer design, networking, operating systems and hardware options. This course is also suitable for those students studying programmes in the social sciences or science.

### Introduction to Computers and Information Technology

**CIS 1125 3 FA**

This entry-level survey course explores computers and their applications. Students are provided with an appreciation of what computers are, how they work and what tasks can be accomplished using them. Topics include the impact of computers on society; computer hardware including CPU, disks, other storage devices and input and output devices; computer software including data representation, data structures, operating systems, application programmes and database management systems; introduction to programming and programming languages; computer communications including the Internet, the world-wide web and e-mail; a brief history of computing; computer security, privacy and ethics. The coursework will cover the material needed for students to take the CompTIA IT Fundamental Certification. **Prerequisite:** A grade of "C" or better in ENG 0012. Fundamental Computer Literacy or CIS 1120 as a corequisite.

### Data Management

**CIS 1130 3 SP**

This course will feature the application of the SQL query language for managing and creating databases. A typical report and application generator will also be studied. Provides essential theoretical and practical knowledge required by those who expect to be involved in the storage and retrieval of information. Students will get an introduction to Blockchain Technology and how it is now impacting cryptocurrency, FinTech, RegTech, and overall InfoTech. Data privacy and protection will also be covered in this course, with a focus on General Data Protection Regulation (GDPR) and Bermuda's Personal Information Protection Act (PIPA). The coursework will cover the material needed for students to take the Oracle Database Certification OCA or OCP. **Prerequisites:** CIS 1120 or CIS 1125 and ENG 0012 and MAT 0015.

## Course Descriptions - Credit Courses

### **Programming for Information Systems I**      **CIS 1155 3**      **FA**

This course is an introduction to the basic principles of computer programming. It focuses on developing problem solving skills through writing programmes in Visual Basic® and Java. Students learn to develop graphical user interfaces (GUI's) and use basic programming language structures to develop algorithms for solving various kinds of problems. The coursework will cover the material needed for students to take the Oracle® Java Programmer Certification OCA or OCP.

**Prerequisites:** MAT 0015 and CIS 1125

### **Computer Information Systems Internship**      **CIS 1180 3**      **FA/SP/SM**

Work experience in a selected local business. The experience will be in a computer-related area of the business. The precise nature of the experience will be agreed upon after discussion between the College and management of the business. **Prerequisites:** A minimum GPA 2.0 or higher in all computer information technology programme courses necessary as prerequisites; CIS 1120, CIS 1125, CIS 1130, CIS 2278 and ECM 1101.

### **Systems Analysis and Design**      **CIS 2231 3**      **FA**

Intended to provide an understanding of the scope and nature of information systems, techniques applied to systems analysis and design, and of the development life-cycle of a computer system project. Topics include the need for information and management systems, the human aspects of system development, fact-finding and structured systems analysis, design for real-time and distributed systems, computer hardware and software acquisition, system implementation techniques, and case studies.

**Prerequisite:** CIS 1125 **Corequisites** CIS 1130 and ENG 0012 and MAT 0015

### **Programming for Information Systems II**      **CIS 2255 3**      **FA**

This course is a continuation of Programming for Information Systems I. It focuses on advance programming techniques in Visual Basic® and Java. Students will advance their knowledge of programming and using the graphical user interfaces (GUI's) and use advanced programming language structures to develop algorithms for solving various kinds of problems. The coursework will cover the material needed for students to take the Oracle® Java Programmer Certification OCA or OCP.

**Prerequisite:** CIS 1155

### **Microcomputer Hardware and System Software**      **CIS 2278 3**      **SP**

Students study the installation, configuration, proper usage and maintenance of common hardware and software components of an IBM compatible microcomputer, including memory, disk drives, expansion cards, power supplies, system level software, diagnostic utilities, operating

systems, and major applications. Typical I/o peripherals such as video cameras, microphones, speakers, keyboards, printers and the mouse are studied. The coursework will cover the material needed for students to take the CompTIA A+ Certification. **Prerequisite:** CIS 1125

### **Networking Technologies**      **CIS 2290 3**      **FA**

This course covers the technology underlying data-communications systems such as transmission media, modulation and demodulation, multiplexing, packet switching, hardware, software and network operations. Topics include fibre optics, the Integrated Services Digital Network (ISDN), T-1 and T-3 multiplex, the open system interconnection (OSI) model, and integrated voice-data equipment. The coursework will cover the material needed for students to take the CompTIA Network+ Certification. **Prerequisite:** CIS 2278

### **Operating Systems & Infrastructure**      **CIS 2295 3**      **FA**

This course is an introduction to concepts and algorithms incorporated in operating systems. It examines interrelationships between operating systems and computer hardware. Compares batch, real-time, and time-sharing operating systems, process management techniques, interrupt, handlers, CPU scheduling algorithm, interlocks, resource allocation, deadlocks, paging, and memory systems are studied. It also introduces advanced topics in the design of operating systems, networking, device management and file management techniques, scheduling algorithms, security, queuing theories, and comparison of existing operating systems for client-server. Students will also get exposed to virtualisation and virtual environments. The coursework will cover the material needed for students to take the CompTIA Server+, Linux+, Cloud+, and Cloud Essentials+ Certifications. **Prerequisites:** CIS 2278, CIS 2290

**Corequisites:** CIS 2297

### **Security Fundamentals and Policies**      **CIS 2297 3**      **SP**

This course offers in-depth coverage of the current risks and threats to an organisation's data together with a structured way of addressing the safeguarding of these critical electronic assets. The course provides a foundation for those responsible for protecting network services, devices, traffic and data. Additionally, the course provides the broad-based knowledge necessary to prepare students for further study in other specialised security fields. The coursework will cover the material needed for students to take the CompTIA Security+ Certification and CompTIA CSA/CySA+ Cyber Security Certification. **Prerequisite:** CIS 2290, CIS 2278

## Course Descriptions - Credit Courses

### COOKERY & NUTRITION

#### Kitchen Theory and Practice I

CKN 1102 4 FA

Cuisine and related theory in preparation for hospitality management. Topics include preparation, cooking, presentation, and sanitation management. **Prerequisite:** Satisfactory performance on College Placement Test with a minimum score of 249 in Reading Comprehension.

#### English for Culinary Arts

CUL 1020 3 FA

The following skills are contained in this module: reviewing of basic English skills; reading and understanding charts and instructions; writing reports, requisitions, orders, invoices, menus, rosters, function sheets/requisitions; writing a resumé and a cover letter; developing interviewing and speaking skills. **This course is a certificate course and will not normally transfer into degree programmes.** **Prerequisite:** Satisfactory performance on College Placement Test with a minimum score of 249 in Reading Comprehension.

#### Mathematics for Culinary Arts

CUL 1030 3 SP

This course focuses on mathematics procedures and skills that are vital to the food service industry. Topics include units of measure and unit conversions, recipe scaling, yield percent, purchasing and portioning, recipe costing, kitchen ratios. **This course is a certificate course and will not normally transfer into degree programmes.** **Prerequisite:** Satisfactory performance on College Placement Test with a minimum score of 249 in Reading Comprehension.

#### Introduction to Culinary Arts

CUL 1102 1 FA

This course introduces students to the history of culinary arts. Students will study kitchen equipment, organisation, chef's tools, terminology, sanitation and conform to the industry standard of personal grooming, hygiene and professional presentation. Students must complete first aid and fire safety training. **Prerequisite:** Satisfactory performance on College Placement Test with a minimum score of 249 in Reading Comprehension.

#### Sanitation & Safety

CUL 1104 2 FA

An introduction to the fundamentals of food and environmental sanitation. The student will examine the origins of food-borne illness, prevention measures and the implementation of proper sanitation practices. The ServSafe certification test will be offered upon completion of this course.

#### Meat Identification & Fabrication

CUL 1105 2 FA

Students will identify and fabricate basic meats including primal, sub-primal cuts and kitchen ready cuts, identify USDA inspection stamps, government yield and quality grades for all carcasses. Students

will practice methods of tenderising, marinating and cooking techniques for all specific cuts including offal, game and poultry.

**Prerequisite:** It should be noted that in conjunction with a satisfactory CPT grade CUL 1104 should be a corequisite.

#### Purchasing & Product Identification

CUL 1106 3 FA

Students will learn methods for controlling costs as they apply to the selection and procurement of food, beverages, equipment, contract services and supplies with primary focus on product identification, supplier selection, ordering, receiving, storing and issuing processes. This course prepares students to write an internationally recognised test. **Prerequisite:** Satisfactory performance on College Placement Test with a minimum score of 249 in Reading Comprehension.

#### Introduction to the Preparation of Stocks, Soups & Sauces

CUL 1108 2 FA

This course introduces classical production methods for the basic stocks used in the production of most soups and sauces. This includes production of the Grand Sauces and various derivatives, basic clear, cream, puree and international soups, as well as emulsified sauces.

**Prerequisite:** It should be noted that in conjunction with a satisfactory CPT grade CUL 1104 should be a corequisite.

#### Introduction to Vegetable & Starch Cookery

CUL 1109 2 FA

This course introduces students to classification, storage and preparation of the fundamental vegetables and provides the basics of preparing potatoes, starches, legumes and pastas including international starch dishes. Students will learn proper knife cuts and shaping of vegetables.

**Prerequisite:** It should be noted that in conjunction with a satisfactory CPT grade CUL 1104 should be a corequisite.

#### Introduction to Cooking Methods

CUL 1110 2 FA

The course introduces students to the vast variety of cooking methods, and the various types of heat transfer, including both moist and dry heat. The proper choice of ingredients associated with each cooking method, and the correct choice of tools and equipment will be discussed. Careful attention is placed on the proper application of technique throughout each step from preparation to service. **Prerequisite:** CUL 1102

**Corequisite:** CUL 1104

#### Introduction to Production Cookery

CUL 1111 2 SP

This course introduces students to production cooking in a real-life restaurant setting. It is designed so the student can utilise all that they have learned in the preceding culinary courses with an emphasis on cleanliness, usage of ingredients, plate presentation, and effective execution of dishes at a service quality standard.

**Prerequisites:** CUL 1102, CUL 1110

## Course Descriptions - Credit Courses

### Breakfast & Short Order Cookery

CUL 1112 1 SP

This course introduces students to the preparation and presentation of a range of breakfast items; baked goods, egg, fish and meat dishes, teas, coffees and juices, preparation and presentation of fresh fruits. Students will practice short-order cooking using a variety of cooking methods.

**Prerequisite:** CUL 1102 **Corequisite:** CUL 1104

### Seafood Cookery

CUL 1114 2 SP

This course will entail procuring, handling and preparation of shellfish used in professional kitchens. Product knowledge, proper handling and receiving, storing, sanitation, and nutrition will be emphasised.

**Prerequisites:** CUL 1102, CUL 1110

### Introduction to the Larder (Garde Manger)

CUL 1116 2 SP

This course introduces students to basic hot and cold hors d'oeuvres, dressings, various forcemeats, chaud-froid decorating and preparation and design of modern buffet presentations including fruit, vegetable, lard and ice carving. **Prerequisite:** CUL 1102

### Introduction to Baking and Pastry

CUL 1117 3 SP

This course introduces students to the fundamental techniques and procedures used in baking and pastry production. Includes study of baking terminology, weighing procedures, ingredients and basic mixing methods to produce a variety of yeast breads, cakes, cookies, and desserts to industry standards. **Prerequisite:** CUL 1102

### Culinary Arts Internship

CUL 1119 3 FA/SP/SM

This twelve-week internship focuses on skills in food production and service through rotation in the kitchen brigade stations including Garde Manger, Breakfast and Short Order, Bakery and Pastry, Saucier, Larder & Butchery and Entremetier. Prior to the internship, students will develop the skills and necessary documentation to prepare for the workplace.

**Prerequisites:** A minimum GPA 2.0 or higher in all Culinary Arts programme courses required as prerequisites; CUL 1108, CUL 1109, CUL 1110, CUL 1112, CUL 1117

### Introduction to Caribbean and Bermudian Cuisine

CUL 1122 2 FA

Introduction to Caribbean and Bermudian Cuisine will expose the student to various commodities that are indigenous to Bermuda and the Caribbean region. This course begins by explaining the history and characteristics of these cuisines, followed by identifying the ingredients used in preparing traditional meat, seafood and vegetarian dishes. This course also covers the preparation of soups, sauces, breads, pastries, and even special Bermudian and Caribbean holiday dishes. Upon completion of this course, the student should understand the culture and common practices

of cooking in Bermuda and the Caribbean. **Prerequisites:** A minimum GPA 2.0 or higher in all culinary arts programme courses required as a prerequisite; CUL 1108, CUL 1109, CUL 1110, CUL 1114

### Introduction to Food & Beverage Service

CUL 1125 4 SP

Through theoretical and practical applications, students are introduced to the front-of-the-house operations and professional dining room service techniques. Quality service, positive guest relations, and effective communication skills are emphasised. Students are prepared for certification through the Federation of Dining Room Professionals.

**Prerequisites:** CUL 1102, CUL 1104

### Oriental Cuisine

CUL 1127 2 SP

The following skills are contained in this module: demonstrating knowledge of the history and characteristics of Chinese cuisine; identifying and preparing dishes from the four main regional Chinese cuisine: Cantonese, Hunan, Peking and Szechuan; using cutting methods associated with oriental cuisine; demonstrating stir-fry and steaming methods; demonstrating Oriental Rice cookery; preparing Japanese dishes; preparing dishes of Malaysia, Indonesia and Vietnam; preparing dishes of Singapore and Thailand. **Prerequisites:** CUL 1108, CUL 1109, CUL 1110, CUL 1114

### International Cuisine

CUL 1128 3 SP

This course focuses on the main regions of the world noted for regional cuisines including the South American continent, Europe, India, and the Orient. Emphasis is placed on identifying and using ingredients, equipment and utensils, cutting and cooking techniques specific to the various world regions being studied. **Prerequisites:** CUL 1108, CUL 1109, CUL 1110, CUL 1114

### Italian Cuisine

CUL 1129 2 SP

The following skills are contained in this module: demonstrating knowledge of the history and development of Italian cuisine; preparing antipastos; preparing pasta dishes; preparing specialty soups and sauces; baking Italian breads and rolls; preparing Italian salads; preparing Italian desserts. **Prerequisites:** CUL 1108, CUL 1109, CUL 1110, CUL 1114

### American Regional Cuisine

CUL 1130 2 FA

The following skills are contained in this module: demonstrating knowledge of the history and characteristics of American Regional Cuisine; preparing dishes using regional game; preparing specialty desserts by American region; preparing vegetable dishes by region; preparing seafood dishes specific to American regions. **Prerequisites:** CUL 1108, CUL 1109, CUL 1110, CUL 1114



## Course Descriptions - Credit Courses

### Nutrition

**CUL 1131 2 SP**

An introduction to the functions of food sources of nutrients and their utilisation in human metabolic processes. Students will be required to list the primary functions and best sources of each of the major vitamins and minerals and evaluate diets in terms of the recommended dietary allowances. **Prerequisites:** Satisfactory performance on College Placement Test with a minimum score of 249 in Reading Comprehension.

### Menu Planning

**CUL 2118 3 SP**

This course introduces students to basic menu planning principles, menu terminology and description, food and liquor menu layout and design, menu pricing, mechanics and analysis, nutrition and health concerns, cost control, product mix, average check and impact on profit.

**Prerequisite:** CUL 1102

### Techniques in Healthy Cooking

**CUL 2124 2 FA**

This course will study healthy cooking techniques, nutritional guidelines in the selection and preparation of healthy food products including vegetarian and special diet meals. **Prerequisites:** CUL 1108, CUL 1109, CUL 1110, CUL 1114

### Advanced Production Cookery and Innovative Techniques

**CUL 2127 2 SP**

This module incorporates the skills students have developed in the programme and provides execution of food production at a more advanced level. Students will practice innovative culinary techniques and use specialty ingredients. Food techniques include spherification, emulsification, food deconstruction, and molecular gastronomy.

**Prerequisites:** CUL 1108, CUL 1109, CUL 1110

## DIAGNOSTIC IMAGING TECHNOLOGY

### Introduction to Diagnostic Imaging Technology

**DIT 1101 2 SM**

This course provides an overview of the fields of Diagnostic Imaging Technology and its role in health care delivery. Students are introduced to the academic and administrative structures of the profession. Topics include: the history of the development of the field, an introduction to radiation protection, the legal and ethical challenges of the profession, and medical terminology. The importance of communication between the radiographer and the patient is emphasised. **Corequisites:** BIO 1121, MAT 1105

### Patient Management in Diagnostic Imaging Technology

**DIT 1102 2 FA**

This course provides an overview of the concepts of optimal patient care in a holistic manner. It explores the physical and psychological care of patients encountered in routine and emergency diagnostic procedures. Infection control procedures involved in Diagnostic Imaging Technology are explained. The role of the radiographer in patient education is discussed. **Prerequisites:** A programme GPA of 2.67, grade of "C" or better in ENG 0012, BIO 1121, MAT 1105 and a grade "B-" or better in DIT 1101

### Radiation Physics

**DIT 1103 2**

This course provides an overview of the fundamentals of radiological science and X-Ray physics. Opportunity is given to thoroughly understand the nature of X-Rays, X-Ray exposure, image formation, film processing, film processor, quality analysis and the physical phenomena associated with X-Ray production. Special methods, radiation protection and health physics are also discussed. **Prerequisites:** A programme GPA of 2.67, DIT 1102. **Corequisites:** BIO 2211, ENG 1112, CIS 1120, DIT 1104, DIT 1105, DIT 1106

### Diagnostic Imaging Equipment

**DIT 1104 2 SP**

This course provides a basic knowledge of radiographic, fluoroscopic and mobile diagnostic imaging equipment requirements and design. It also provides a review of the quality management component of the radiographic process. Emergency precautions are also discussed throughout the course. **Prerequisites:** A programme GPA of 2.67, BIO 1122, ENG 1111, PSY 1101, CSC 1110, ALH 1102 and a grade of "B-" or better in DIT 1102. **Corequisites:** ENG 1112, BIO 2211, CIS 1120, DIT 1103, DIT 1105, DIT 1106

### Principles of Imaging Technology I

**DIT 1105 2 SP**

This course provides the basic knowledge of the nature and science of radiation and the factors that govern diagnostic image production. The importance of quality control as it relates to image exposure is also discussed. **Prerequisites:** A programme GPA of 2.67, BIO 1122, ENG 1111, PSY 1101, CSC 1110, ALH 1102, and a grade of "B-" or better in DIT 1102. **Corequisites:** ENG 1112, BIO 2211, CIS 1120, DIT 1103, DIT 1104, DIT 1106

### Radiographic Procedures I

**DIT 1106 2 SP**

This course provides the knowledge necessary to perform standard imaging procedures to ensure the highest quality of diagnostic images. The student will learn the basic principles of patient positioning as applied to Diagnostic Imaging Radiography. Areas of the body emphasised will be chest, abdomen, upper and lower extremities.

**Prerequisites:** A programme GPA of 2.67, BIO 1122, ENG 1111, PSY 1101, CSC 1110, ALH 1102 and a "B-" or better in DIT 1102. **Corequisites:** ENG 1112, BIO 2211, CIS 1120, DIT 1103, DIT 1104, DIT 1105



## Course Descriptions - Credit Courses

### Clinical Practice I

DIT 1107 4 SM

This course introduces students to the clinical practice in the Radiology Department. It centres around observation and assisting with basic radiographic procedures. Concentration is on radiographic examinations of the chest, abdomen, upper and lower extremities, examination of the basic equipment used and various tests in Radiology. Students will develop the skills to measure outcomes that ensure the well-being of the patient prior to, during and following a radiological procedure.

**Prerequisites:** A programme GPA of 2.67, ENG 1112, BIO 2211, CIS 1120, a grade of "B-" or better in DIT 1103, DIT 1104, DIT 1105, DIT 1106

**Corequisites:** DIT 1108

### Principles of Imaging I

DIT 1108 2 SM

This course presents an introduction to the basic elements necessary for the production of the radiographic image. Students will learn the components, principles and operations of imaging. Factors that impact the image acquisition, display, archiving and retrieval are discussed. Principles of digital system quality assurance and maintenance are presented. **Prerequisites:** A programme GPA of 2.67 ENG 1112, BIO 2211, CIS 1120, a grade of "B-" or better in DIT 1103, DIT 1104, DIT 1105, DIT 1106

**Corequisites:** DIT 1107

### Pharmacology in Diagnostic Imaging Technology

DIT 2201 2 FA

This course provides basic concepts of pharmacology. The theories and techniques of venepuncture as well as administration of diagnostic contrast agents and intravenous medications. The appropriate delivery of patient care during these procedures is emphasised. The scope of practice, practice standards and competencies of the profession are discussed. **Prerequisites:** A programme GPA of 2.67, a grade of "B-" or better in DIT 1107, DIT 1108 **Corequisites:** BIO 2212, DIT 2207, DIT 2205, DIT 2206, DIT 2208

### Cross Sectional Anatomy

DIT 2202 2 SP

This course begins with a review of gross anatomy of the entire body. A detailed study of gross anatomical structures will be conducted systemically for location and relationship to other structures and functions. Students will learn where gross anatomical structures are located and how they are identified in the various planes. Illustrations and anatomy images will be compared. The characteristic appearance of each anatomical structure as it appears will be emphasised. **Prerequisites:** A programme GPA of 2.67, BIO 2212, a grade of "B-" or better in DIT 2207, DIT 2201, DIT 2205, DIT 2208, DIT 2206 **Corequisites:** DIT 2216, DIT 2203, DIT 2217

### Patient Protection in Radiology

DIT 2203 2 SP

This course provides an overview of the principles of radiation protection, including the responsibilities of the radiographer for patients, personnel and the public. The importance of limiting radiation exposure to patients, the public and workers is emphasised. Radiation health and safety requirements are emphasised. **Prerequisites:** A programme GPA of 2.67, BIO 2212, a grade of "B-" or better in DIT 2207, DIT 2201, DIT 2205, DIT 2208, DIT 2206 **Corequisites:** DIT 2216, DIT 2202, DIT 2217

### Diagnostic Imaging Practicum

DIT 2204 8

This course is the final course in the concentration in Diagnostic Imaging Technology (DIT). It allows the student to practice general radiology in the clinical setting. The Diagnostic Imaging students will function as a first level technologist and continue to gain an understanding of the patient's entire experience by applying the patient care, communication and skills learnt. They will apply the knowledge gained and become more familiar with the functioning of the imaging equipment and experience the team dynamics. The DIT student must complete a minimum of one hundred and eight hours (180) of clinical hours. He/she must also apply, critically analyse, integrate, and synthesise competency-based clinical assignments.

**Prerequisites:** A programme GPA of 2.67 or better and a grade of "B-" or better in DIT 2216, DIT 2202, DIT 2203, DIT 2217

### Principles of Imaging Technology II

DIT 2205 2 FA

This course is a continuation of Imaging Technology I and presents the X-Ray circuit as it relates to its structure and function. Characteristics of X-Rays, production, digital and conventional technology are discussed. Components, principles and operations of digital imaging are also discussed. Factors that impact acquisition, display archiving and retrieval are explored. **Prerequisites:** A programme GPA of 2.67, a grade of "B-" or better in DIT 1107, DIT 1108 **Corequisites:** BIO 2212, DIT 2207, DIT 2201, DIT 2206, DIT 2208

### Radiographic Procedures II

DIT 2206 2 FA

This course provides the knowledge necessary to perform standard imaging procedures of the vertebral column and pelvic girdle to ensure the highest quality of diagnostic images. Basic principles of patient positioning as applied to Diagnostic Imaging Radiography. Areas emphasised will be urinary system, upper and lower gastrointestinal tract and gall bladder. **Prerequisites:** A programme GPA of 2.67, DIT 1107, DIT 1108 **Corequisites:** BIO 2212, DIT 2207, DIT 2201, DIT 2205, DIT 2208

## Course Descriptions - Credit Courses

### Clinical Practice II

DIT 2207 4 FA

This course is a continuation of clinical experiences. Students will assist and observe additional radiographic examinations of urinary, upper and lower gastrointestinal tract and gall bladder. **Prerequisites:** A programme GPA of 2.67, a grade of "B-" or better in DIT 1107, DIT 1108 **Corequisites:** BIO 2212, DIT 2201, DIT 2205, DIT 2208, DIT 2206

### Principles of Imaging II

DIT 2208 2 FA

This course provides a basis for analysing radiographic images. Discussions include ensuring the use of optimal imaging standards. The factors that impact the quality of the image are emphasised. Image evaluation and problem solving techniques are also discussed. **Prerequisites:** A programme GPA of 2.67, a grade of "B-" or better in DIT 1107, DIT 1108 **Corequisites:** BIO 2212, DIT 2207, DIT 2201, DIT 2205, DIT 2206

### Radiographic Procedures III

DIT 2216 2 SP

This course provides the knowledge necessary to perform standard imaging procedures of the skull, facial bones, sinuses and mastoids to ensure the highest quality of diagnostic images. Basic principles of patient positioning as applied to Diagnostic Imaging Radiography is included. Areas emphasised will be skull, facial bones, sinuses and mastoids. **Prerequisites:** A programme GPA of 2.67, BIO 2212, a grade of "B-" or better in DIT 2207, DIT 2201, DIT 2205, DIT 2208, DIT 2206 **Corequisites:** DIT 2202, DIT 2203, DIT 2217

### Clinical Practice III

DIT 2217 4 SP

This course continues with clinical experiences. Students will assist and observe additional radiographic examinations of skull, facial bones, sinuses, and mastoids. **Prerequisites:** A programme GPA of 2.67, BIO 2212, a grade of "B-" or better in DIT 2207, DIT 2201, DIT 2205, DIT 2208, DIT 2206 **Corequisites:** DIT 2216, DIT 2202, DIT 2203

## EARTH & ENVIRONMENTAL SCIENCE

### Environmental Science

EES 1101 4 FA/SP

An introduction to environmental interrelationships and ethics; interrelated scientific principles; ecosystems; communities and populations; energy sources; land-use planning; soils and agriculture; water management; pollution; waste management and hazardous materials regulation; environmental policy and decision making. Laboratory.

### Climate and Our Future

EES 1102 4 FA

An introduction to the atmosphere and its interaction with Earth's surface and oceans: understanding the types of weather systems and climatic patterns that are influenced from this interaction. A look at the impacts of

human induced climate change on our environment and society and discussion of future patterns and outcomes if climate change persists. Practical and relevant field activities.

### Discover Our World

EES 1103 4 FA

An introduction to Earth's lithospheric formations. Exploration of the ever-shifting face of the Earth focusing on plate tectonics, earthquake activity, volcanic eruptions, mountain building and the succession of complex ecosystems that form around our planet. Practical and field activities around Bermuda help students to understand our formation and our own unique ecosystems.

### Introduction to Oceanography

EES 1105 4 SP

An introduction to the history and tools of oceanography and limnology; sea water composition; ocean currents, waves and tides; marine organisms; coastal processes and development; ocean resources; and lake characteristics and processes. Laboratory.

### Environmental Geography

EES 2211 3 SP

A study of the environmental framework of the Earth; its ecosystems and bioclimatic, atmospheric, and hydrologic environments; pollution patterns, trends and impacts; hazardous waste production and disposal; biological diversity; land use; and environmental management. **Prerequisites:** 8 credits from EES 1101, 1102, 1103, or 1105 or BIO 1102 and BIO 1104, or BIO 1121 or 1122.

### Human and Cultural Geography

EES 2221 3 FA

A study of population, language, religion, culture, agriculture, industry and politics; the impact of trade, transportation and communications on cities and countries; international relations, environmental problems and global social problems. Analysis of thematic and topographic maps. **Prerequisites:** 8 credits from EES 1101, 1102, 1103, or 1105 or 6 credits from SOC 1101 and 1102

### Special Topics in Earth & Environmental Science

EES 2298 3

Provides an opportunity for in-depth study at the 2200-level of a topic available as a special offering. These topics may be materials that have been initially explored at the 1100-level or new materials for which development and exploration was provided as an appropriate base at the 1100-level course. **Prerequisite:** Appropriate 1100-level courses and/or a 2200-level course relevant to the topic.

## Course Descriptions - Credit Courses

### E-COMMERCE

#### Generating Web Pages

ECM 1110 3 FA

This course covers the universe of generating web pages and/or web sites using contemporary Internet programming commands. Students will learn to use basic (tables, links, images, etc.), intermediate (frames, forms, etc.), and advanced (style sheets, multimedia, etc.) commands and functions.

**Prerequisites:** A grade of "C" or better in ENG 0012 and MAT 0015

### ECONOMICS

#### Principles of Micro-Economics

ECO 1101 3 FA/SP

An introduction to economic analysis covering the problems of scarcity and choice, the allocation of resources in market and collective economies, a detailed analysis of the price mechanism, business organisation and the theory of the firm. **Corequisite:** One mathematics course at 1100-level.

#### Principles of Macro-Economics

ECO 1102 3 FA/SP

An introduction to economic analysis covering national income theory, fiscal and monetary policy, international trade, inflation, unemployment and economic growth. Attention is focused on current economic issues facing the United States and Bermuda. **Corequisite:** One mathematics course at 1100-level.

#### Intermediate Micro-Economics

ECO 2201 3 FA

A detailed study of theory concerning supply and demand, consumer demand, and theory of the firm. **Prerequisite:** ECO 1101

#### Intermediate Macro-Economics

ECO 2202 3 SP

A detailed study of national income theory, consumption, investment, international trade, economic growth, fiscal and monetary policy, and their relevance to current economic issues. **Prerequisite:** ECO 1102

#### International Economics

ECO 2250 3

A theoretical and empirical examination of the international economy with an emphasis on the trade in goods and services, capital flows, technological transfers, and political and economic institutions. Also examined are normative issues such as the optimal degree of openness to trade and capital and the appropriate exchange rate regime for very small open economies. **Prerequisite:** ECO 1102 or permission from the lecturer.

#### Selected Topics in Economics

ECO 2298 3

Designed to allow students an opportunity either for in-depth inquiry into a topic covered in another 2200-level course or for the study of a special

topic or theme in economics. The course is offered periodically depending upon student interest. **Prerequisite:** Appropriate 1100-level courses and/or a 2200-level course relevant to the topic.

### EDUCATION

#### Foundations of Early Childhood Education

EDU 1102 3 FA

This introductory course explores the historical, philosophical and social foundations of early childhood education. Theories, conceptual frameworks and supporting research in areas of child development and education are critically evaluated and their implications for practices are assessed.

Students are encouraged to examine the forces that shape the future of early childhood education and the roles that the activities of teachers and caregivers play in that future. A minimum grade of "B" is required.

**Prerequisite:** A grade of "C" or better in ENG 0012

#### Introduction to Child Development

EDU 1103 3 SP

A survey of the concepts, theories and various aspects of the development of children and adolescents. Topics include prenatal development, patterns of physical growth, sensation and perception, cognitive development, information processing, intelligence and assessment, language development and personality development. A minimum grade of B is required. **Prerequisite:** A grade of "C" or better in ENG 0012

#### Nutrition, Health and Safety in Early Childhood Education

EDU 1104 3

This course will provide the student with a variety of safety concepts. The relationship between nutrition, health and safety will be explored, as well as strategies for communicating wellness concepts to children and families. **Prerequisite:** A grade of "C" or better in ENG 0012

#### Foundations of Education

EDU 2201 3 FA

A study of the historical, philosophical, and social foundations of education. Topics include: educational reform movements; teacher ethics, multiculturalism; the contributions of local educators to the teaching profession. The course will provide an orientation to the teaching profession. **Prerequisite:** 18 credits in Liberal Arts courses.

#### Children and their Environment

EDU 2202 3 SP

An examination of the environmental issues that shape the lives of children and their families. The course focuses on the experience of children in multicultural, multilingual, and multiracial families. The influence of communities and policies on family functioning is examined.

**Prerequisite:** EDU 2201

## Course Descriptions - Credit Courses

### Learning, Cognition & Behaviour

**EDU 2203 3 FA**

An overview of theories of human learning and behaviour. Traditional behavioural approaches will include classical and operant conditioning and discussion of traditional behaviour management techniques (reinforcement, punishment, token economies). Social learning theory will be examined in relation to traditional approaches. Understanding of learning and behaviour to be extended by reviewing theories of memory, perception, attention, cognitive development, concept learning, information processing, meta-cognition and motivation. An examination will be made of the relevance of these theories to techniques for promoting learning and managing behaviour (e.g. cognitive behaviour modification, mnemonic strategies, self-regulation). **Prerequisites:** EDU 1102 and EDU 1103

### Exceptional Children

**EDU 2204 3 SP**

The course will provide an overview of exceptional education in relation to the inclusion policy for public schools. A focus will be on researched based practices that support children's cognitive, social, physical and emotional needs. The course also takes an in depth look of various exceptionalities. The historical development of exceptional education will be addressed along with the legal foundations of programmes and services. The course includes discussions on the effect of socio-economic status, ethnic group affiliation, parental and community attitudes towards those with disabilities. Field observations included. **Prerequisite:** EDU 1102

### Individual Differences in Learning

**EDU 2205 3 FA**

Understanding of achievement as a function of the interactions between learner characteristics, task and environment. Learner characteristics will be examined in terms of modalities of learning, cognitive processing styles, language, memory, attention, culture and motivation. The nature of tasks will be examined in relation to match with learner characteristics; breakdown; error analysis; and the use of compensatory strategies. The environment will be viewed as existing beyond the immediate setting and extended to learners' availability for learning. Discussion will focus on "the most facilitative environment" (particularly as it relates to inclusion) and adapting the environment to learner strengths and weaknesses. **Prerequisite:** EDU 1102

### Personal, Social-Emotional Development of Children & Adolescents

**EDU 2206 3 FA**

An examination of the personal, social-emotional and personality development of children and adolescents. **Prerequisites:** EDU 1102 and EDU 1103

### Methods and Instructional Techniques in Early Childhood Education

**EDU 2207 3**

This course explores the development and implementation of curriculum. Some of the areas that will be studied are: Learning games, language activities, music and movement and dramatic play. Developmentally appropriate toys and books will be reviewed. **Prerequisite:** EDU 1102

### Interventions and Support Services for Children and Adolescents

**EDU 2231 3 SP**

A survey of the learning and behaviour difficulties that children and adolescents may experience. Assessment and identification of these difficulties during infancy, early childhood and adolescence will be discussed. Students will learn ways to prevent learning and behaviour problems and diffuse disruptions in the classroom. Recommendations, strategies, techniques and interventions for implementation will be offered. Additionally, students will become familiar with the support services provided in schools and in the community for children and adolescents.

**Prerequisite:** EDU 1102

### Classroom Management

**EDU 2251 3 SP**

Exposes students to a range of evidence-based classroom management strategies and techniques for prevention and intervention of inappropriate behaviours. Course content will explore the theoretical assumptions of various models and, through active learning, explore practical application of their strategies. While many approaches will be studied, the major emphasis in the course will be on creating safe, respectful and culturally reflective learning environments through developmental, academic and constructivist approaches. **Prerequisites:** PSY 1102 and EDU 1102 or EDU 2201

### Observation and Participation Seminar in Early Childhood Education

**EDU 2264 3**

This course will focus on the role of the learning environment and teacher/child interaction in the Early Childhood Education programme. Students will observe and assist with documenting, planning, evaluating and developing the curriculum in a Bermuda College approved setting under the direction of an experienced educator. **Prerequisites:** EDU 1102 and EDU 1103

### Early Childhood Education Practicum

**EDU 2265 6 FA/SP**

A practical experience with children and/or youth to be conducted in a Bermuda College approved setting under the guidance of a professional. This practicum is undertaken on the approval of the programme advisor. **Prerequisites:** Minimum programme GPA of 2.0 and the completion of EDU 2251, EDU 2264 and EDU 2207



## Course Descriptions - Credit Courses

### Special Themes and Topics in Early Childhood Education

EDU 2298 3

Designed to allow students an opportunity either for a more in-depth inquiry of a 2200-level topic or for the study of a special topic or theme in Early Childhood Education. The course is offered periodically depending on student interest. **Prerequisite:** A 2200-level course in the subject area.

## ELECTRICAL WIRING

### How to Study This Course and Achieve Your Personal Goals

ELN 1101 1 FA

The following topics are contained in this module: How to study this course and achieve your personal goals; The attributes of an IBEW/NECA apprenticeship; Knowing your apprenticeship and your responsibilities; The IBEW and its history; The structure of NECA and its heritage; Your job and the future it holds for you; Sexual harassment; Electrical safety.

### Introduction to Test Instruments and Overcurrent Protection Devices

ELN 1102 1 FA

The following topics are contained in this module: Identifying some basic tools of the trade; The workplace of an electrical worker; The proper care and use of ladders; The installation and use of fastening devices; Reality of electrical shock; Introduction to test instruments; Introduction to overcurrent protection devices; Understanding the design and function of ground fault interrupters.

### Building Wire Construction and Insulation Properties

ELN 1103 1 FA

The following topics are contained in this module: Learning to tie basic knots; Using hand signals; Hoisting loads properly; How wire connectors are made and installed; Building wire construction and insulation properties.

### Conduit Fabrication – Theory and Practice

ELN 1104 1 FA

The following topics are contained in this module: How building wire is sized; How to work with fractions; Review of basic trigonometric functions; How to fabricate ninety degree stubs, kicks and offsets in electrical conduit; How to fabricate 3 & 4 bend saddles in electrical conduit.

### The Metric System and Metrication Changes

ELN 1105 1 FA

The following topics are contained in this module: Working with aluminium conductors; Identifying commonly used electrical materials; Working with prefixes and powers of ten; The Metric System; How to solve basic algebraic equations; How to manually calculate the square root.

### Fundamentals of Blueprint Reading and Sketching

ELN 1106 1 FA

The following topics are contained in this module: The fundamentals of blueprint drawing and sketching; Understanding architectural views and how to draw them; Understanding common scales used on blueprints; Working with blueprint specifications, elevations, and schedules; Understanding and drawing electrical and mechanical symbols used on blueprints; Reading and analysing a residential blueprint.

### DC Theory: OHM'S Law

ELN 1107 1 SP

This module introduces the student to one of the most fundamental laws in all of electricity and electronics - Ohm's Law. Other topics include: What is electricity; Electrical units and Ohm's Law; The properties of power in an electrical circuit; Power in DC circuits; An introduction to electrical and electronic devices; The potential hazards of energised circuits; How to draw basic electrical circuits.

### The DC Series Circuit

ELN 1108 1 SP

This module introduces the student to the DC series circuit. The topics covered are: Calculating resistance in a DC series circuit; How current reacts in DC series circuits; How voltage functions in a DC series circuit; Working with ratio and proportion; How voltage dividers work in a DC series circuit; How to calculate power in a DC series circuit. In addition to the DC theory, there are nine lab assignments that give the student hands on experience with actual DC series circuits.

### The DC Parallel Circuit

ELN 1109 1 SP

This module introduces the student to the DC parallel circuit. The topics covered are: How voltage functions in a DC parallel circuit; Calculating resistance in a DC parallel circuit; Understanding resistance in a DC parallel circuit; How current reacts in a DC parallel circuit; How current dividers work in a DC parallel circuit; How to calculate power in a DC parallel circuit. This module also includes seven lab assignments that investigate the various characteristics of the DC parallel circuit.

### The DC Combination Circuit

ELN 1110 1 SP

This module introduces the student to the DC combination circuit. Topics covered are: Calculating resistance in a DC combination circuit; How to calculate current in a DC combination circuit; How voltage functions in a DC combination circuit; How to calculate power in a DC combination circuit; Understanding voltage polarity and voltage drop; Understanding the design and operation of the three wire single-phase system; Understanding the principles of magnetism and electromagnetism. Eight labs are included in this module which provides the student with a thorough understanding of the DC combination circuit.



## Course Descriptions - Credit Courses

### **Norton's and Thevenin's Theorems and Kirchoff's Laws**

**ELN 1111 1 SP**

This module introduces the student to Norton's and Thevenin's Theorems and Kirchoff's voltage and current laws. Topics include: How electrical generators produce electrical current; Applying the Principles of Superposition to circuit calculations; Using DC theory principles to solve real world problems; Kirchoff's voltage and current laws; Thevenin's and Norton's Theorems. Eight lab assignments provide the student with a thorough understanding of the theory and application of Thevenin's and Norton's Theorems and Kirchoff's voltage and current laws.

### **An Introduction to the National Electrical Code** **ELN 1112 1 SP**

This module is the first of twelve powerful and comprehensive courses on the understanding, structure, language and application of the National Electrical Code. Topics include: Introduction to the NEC (National Electrical Code); Understanding and applying article 110 of the NEC; Interpreting the language of NEC article 100; General building wire properties and the NEC; Understanding conductor insulation and NEC specifications; Understanding the NEC process; Introduction to wiring devices; General requirements related to wiring devices; Specific receptacle and switch installation requirements.

### **Testing and Measuring with the Analog and Digital Multimeter** **ELN 2113 1 FA**

This module introduces the student to test instruments. In addition, the student is given the training that will enable him or her to measure electrical properties safely and efficiently. Seven intense labs provide the necessary hands on training for this very important module. Topics include: Avoiding the hazards of drug abuse; The IBEW Constitution; Understanding your local union by-laws; Parliamentary procedure and how it works; Introduction to the Comet Programme; Getting acquainted with Electrical Test instruments; Understanding and Using Multimeters.

### **Developing NEC Code Book Skills** **ELN 2114 1 FA**

This module continues to build and strengthen the student's knowledge of the NEC and also requires the student to solve code related job problems in the classroom setting under the guidance of a Code Certified Instructor. Topics include: Developing code book skills; Development of the NEC: The table of contents; The arrangement, structure, and language of the NEC; Codeology fundamentals; NEC article 90 introduction; Applying the NEC's "General Chapter". Included are twenty class participation workshops that enable the student to apply this knowledge to solving "on the job" problems.

### **Understanding the Design and Function of AC and DC Generators** **ELN 2115 1 FA**

This module introduces the student to the oscilloscope and AC and DC generators. Topics include: Reviewing the applications of DC theory; Comparing direct current to alternating current; Using oscilloscopes to view AC waveforms; Testing and verifying circuit performance; An introduction to three phase systems; Circuit calculations for basic systems; Understanding how the DC generator works; understanding the design and function of AC generators; Becoming familiar with AC resistive circuits. Eleven labs are included which give the student the training, confidence and capability to safely test and measure various electrical quantities.

### **Laying-Out Residential Circuits and Basic Estimating** **ELN 2116 1 FA**

This module builds on the introductory blueprint reading skills learned from year one. The following topics are contained in this module: Reviewing the basic fundamentals of blueprints; Analysing and laying out residential circuits; Understanding job costs and how to do an actual quantity takeoff; Understanding, interpreting and evaluating blueprint specifications; Interpreting blueprint schedules and locating components on the print; Becoming familiar with blueprint systems integration; Learning how to effectively use blueprints; Understanding and using ratchet type benders; The fundamentals of segment and concentric bending; Understanding how to install wire and cable.

### **AC Theory: Inductance and How it Affects a Circuit** **ELN 2117 1 FA**

This module introduces the student to Inductance and how it affects an AC circuit. It also lays the ground work for solving problems in AC circuits and the operation of transformers and other inductive devices. Topics include: Becoming familiar with inductive reactance; Frequency and inductive reactance; Inductors in series and parallel. Six labs allow the student to gain practical experience with series and parallel circuits.

### **AC Theory: Capacitance and How it Affects a Circuit** **ELN 2118 1 FA**

This module introduces the student to the third quantity of an AC circuit-capacitance. Topics include: How capacitance affects a circuit; Becoming familiar with capacitive reactance; Working safely with capacitors; Working with capacitors in series or parallel; Understanding vectors and how to use them effectively. Seven labs provide practical circuits for the student to analyse.

## Course Descriptions - Credit Courses

### **Working with Series and Parallel RL & RC Circuits**

**ELN 2119 1 SP**

This module introduces the student to series and parallel RL circuits and series and parallel RC circuits; Topics include: Understanding the basic characteristics of AC circuits; Comprehending the parameters of series RL circuits; Understanding and working with parallel RL circuits; Comprehending the parameters of series RC circuits; Understanding and working with parallel RC circuits. Fifteen lab assignments give the student a thorough knowledge of series and parallel RL and RC circuits.

### **Analysing and Working with Combination RLC Circuits**

**ELN 2120 1 SP**

This series of lessons provides the necessary information, along with twenty-one lab assignments, for the student to solve job problems for both series and parallel circuits containing resistance, inductance and capacitance. Topics include: Identifying and working with LC circuits; Comprehending and analysing series RLC circuits; Resonance in parallel circuits; Comparing series and parallel RLC circuits; Analysing and working with Combination RLC circuits; Series resonance; Parallel resonance; Clearly and accurately describe the characteristics of series and parallel resonant circuits.

### **Filters, Power Factor and Power Factor Correction**

**ELN 2121 1 SP**

This module introduces the student to the theory and operation of various types of filters and their application. In addition, the student will examine power factor and power factor correction. Topics include: An examination of the four classifications for filters; Power factor; Power factor correction. Six labs give the student the training and the confidence to solve problems involving filters and power factor on the job.

### **Understanding the Principles of Three Phase Systems**

**ELN 2122 1 SP**

This module introduces the student to the fundamental design and function of single and three phase transformers. Topics include: Understanding the fundamental design and function of transformers; Learning how to identify and make single-phase transformer connections; Proper transformer installation procedures; Understanding the principles of three-phase systems; Learning how to identify and connect three phase transformers. Six lab assignments give the student practical hands on experience with the various types of transformer connections used in industry.

### **NEC - Branch Circuits 1 & 2 and Feeders and Services**

**ELN 2123 1 FA**

This module allows the student to make use of Table 8 in chapter 9 of the NEC to investigate the properties of various conductor sizes. The student

will use his/her knowledge of the NEC to work with branch circuits, services and feeders. Topics include: The principles involved in sizing building wire; Calculating conductor ampacity; Branch circuits 1 & 2; Outside branch circuits and feeders; Services 1; Lighting and receptacles.

### **NEC - Requirements for Cable Assemblies & Wiring Methods**

**ELN 2124 1 FA**

This module focuses on the various wiring methods recognised by the NEC. In addition, the student will become acquainted with many of the terms the NEC uses in conjunction with conduit wiring methods. Topics include: How to correctly apply the NEC's conduit wiring methods; The NEC's requirements for cable assemblies; Identifying boxes and fittings as defined by the NEC; Wiring methods - general installation requirements; Wiring methods - specific; Electrical nonmetallic tubing (ENT)

### **Health and Safety**

**ELN 3125 1 FA**

This module introduces the student to Electrical Safety and Electrical Hazard Awareness. After completing this module the student will be able to identify electrical hazards and understand their effects on the human body. The student will have the opportunity to examine many of the actual case studies included in this course. Topics include: American labour history; Electrical safety culture and Electrical hazard awareness; Design and work practice considerations; Layout of NFPA 70E; An overview of 70E concepts; Electrical safety programme and training requirements; Achieving an electrically safe work condition; Working on or near live parts; Approach boundaries to live parts; Personal and other protective equipment and protective clothing; Calculation of fault currents and implementation.

### **Advanced Blueprint Reading: Industrial Specifications**

**ELN 3126 1 FA**

This module builds on all previous blueprint reading lessons. The student works with an actual set of industrial specifications and blueprints. With practice the student will be able to: read and understand general industrial specifications; understand and explain site plans; read and interpret feeder diagrams and panel schedules; comprehend and discuss electrical, power, lighting and communications drawings. Topics include: Review and introduction; Industrial specifications; Industrial prints 1, 2 and 3.

### **Semiconductor Theory**

**ELN 3127 1 FA**

This module introduces the student to semiconductor electronics. Understanding the basics of semiconductors is essential for proper installation and maintenance of today's electrical systems. Topics include: Semiconductor diodes; Zener, light emitting and other diodes; Understanding the basic functions of diodes and rectifiers; Power supplies. Ten lab assignments give the student the hands-on training and capability to work safely and confidently on a variety of diodes and power supplies.

## Course Descriptions - Credit Courses

### **BJTs, MOSFETs, and Other Transistor Types ELN 3128 1 FA**

This module introduces the student to more complicated electronic circuits involving PNP and NPN transistors along with JFETs, MOSFETs and other transistor types. Fifteen intensive lab assignments give the student the training and capability to apply theoretical principles to actual circuits found in industry. Topics include: JFETs, MOSFETs; VMOS Transistors; Amplifiers 1; Amplifiers 2.

### **Differential & Operational Amplifiers ELN 3129 1 FA**

This module builds on all previous lessons of the series on Semiconductor Electronics. Thirteen powerful and practical lab assignments give the student hands-on experience with actual circuits and devices found in residential, commercial and industrial applications. Topics include: Differential and operational amplifiers; Oscillators; The IC 555 timer; Electronic applications; Optoelectronics; Fiber optics.

### **Grounding and Bonding Fundamentals ELN 3130 1 FA**

This is the first of series of twenty-two lessons that focus on the important subject of grounding and bonding as required by the NEC. The course begins with a review of electrical theory as it relates to the grounding of systems. Topics include: Grounding and bonding fundamentals; NEC system grounding; Grounding AC Systems; Grounding electrical services; Service equipment; Main bonding jumpers.

### **The Grounding Electrode System ELN 3131 1 SP**

This module introduces the student to the Grounding Electrode System. The student will learn the function of grounding electrodes in the electrical system and describe how to install and establish a grounding system. Topics include: The grounding electrode system; The grounding electrode conductor; Bonding enclosures and equipment; Equipment grounding conductors; Enclosure; Equipment grounding.

### **Personnel Protection and Ground Fault Protection of Equipment ELN 3132 1 SP**

The primary focus of this module is the protection of personnel and equipment. Topics include: Ground faults and short circuits; Separately derived systems; Grounding at separate buildings; Protection of personnel; Protection of equipment; Special location requirements for grounding and bonding.

### **Grounding and Bonding of Electronic Equipment ELN 3133 1 SP**

This module will familiarise the student with the special grounding and bonding requirements for electronic equipment. Topics include: Requirements for grounding and bonding of electronic equipment; Low voltage intersystem grounding and bonding; Requirements for grounding and

bonding systems over 1000 volts; An overview of NEC Article 250; Introduction to Earth Testing; The principles and methods used for earth testing.

### **Review of the Theory of Three Phase Transformers ELN 3134 1 SP**

This module deals with the technical or theory side of transformer connections. The student will learn how to identify the uses of different WYE and DELTA three-phase systems; list the advantages and disadvantages of three phase transformers; describe how to use a delta connection and when to use a wye connection; how to draw wye and delta connections for three phase transformers. Three lab assignments provide the student with the training and the practical experience to work with actual transformer connections he or she will encounter in the workplace. Topics include: A review of three-phase transformer theory; Review of WYE and DELTA three-phase transformers.

### **NEC: Overcurrent Protection ELN 3135 1 SP**

This NEC module focuses on the overcurrent protection devices required for branch circuits, feeders and services. In addition, the student will learn about the tap rule requirements for the different types of tap conductors. Topics include: Overloads, short-circuits and ground-faults; Selection of overcurrent protection devices (OPCD); Types of OPCD-Circuit Breakers; Type of OPCD-Fuses; Branch circuits; Feeders and services; Conductor tap rules; Supervised industrial installations.

### **NEC: Transformer Protection and Ground Fault Protection ELN 3136 1 SP**

This module focuses on three important NEC considerations: (1) Transformer Protection; (2) Ground Fault Protection; (3) Motor Overload Protection. Topics include: Transformer protection - NEC Article 450; Motor branch circuits NEC - Article 430; Ground fault protection; Component protection - NEC Article 119.10; Motor overload and single-phasing protection; Motor and group motor protection and devices - NEC Article 430.

### **Designing and Installing Lightning Protection Systems ELN 4137 1 FA**

This module introduces the student to lightning protection and the devices used to wire a lightning protection system. In addition, the student will learn how to define the terms associated with lightning protection equipment and installation. Identify the different types of lightning protection systems and the parameters which define them. Follow general installation layout and design details for lightning protection systems. Topics include: Becoming familiar with lightning protection systems; Designing and installing lightning protection systems; Rules, acronyms, glossary and formulas; Magnetism, electromagnetism and induction.

## Course Descriptions - Credit Courses

### AC Alternators

ELN 4138 1 FA

This module introduces the student to the construction and operation of three-phase alternators and their ratings. The student will study and closely examine three-phase synchronous motors and analyse the various applications of the design and construction of polyphase motors with code letters A through F. Topics include: AC alternators; The rotating field in the polyphase motor; Polyphase motors; Wound-rotor motors; Synchronous motors; Alternating field in a single-phase motor.

### The Principles of Electronic Variable Speed-Control

ELN 4139 1 FA

This module provides the student with detailed information about the design, construction and operating characteristics of a single phase motor. The split-phase, capacitor start, capacitor-start and run, shaded pole and repulsion type motors are given detailed attention. In addition, the student will study the principles of electronic variable speed motor control for AC motors and describe voltage-voltage and variable-frequency speed control methods. Topics include: Single-phase motors; DC motors; Principles of electronic variable-speed control; Electronic variable-speed drives; Other motors; Installing motors, pulleys and couplings.

### Motor Starters, Contactors and Control Relays

ELN 4140 1 FA

This module will allow the student to explore the construction of starters, their purposes, uses and sizing. Internal components such as contacts and coils are examined in detail. In addition, the student will study contactor construction, operation and uses with focus on electromagnetic contactors and their use in motor starters. Topics include: History of motor control 1 & 2; Motor starters 1, 2 & 3; Contactors and control relays 1, 2 & 3.

### Manual and Automatic Operating Devices

ELN 4141 1 FA

This module introduces the student to Manual Operating Devices, Automatic Operating Devices and Control Diagrams and Drawings. Topics include: Manual operating and indicating devices; Automatic operating devices; Control diagrams and drawings.

### Timing Devices and DC Motor Controls

ELN 4142 1 FA

This module introduces the student to two and three wire control circuits; he or she will be able to explain automatic vs. semiautomatic control and draw ladder diagrams from a written description of process operation. In addition, the student will examine and study solid state timing devices and describe the special construction, sizing and operation of DC motor starters. Topics include: Control diagrams and drawings 4; Timing devices 1, 2 and 3; Special techniques and components 1, 2 and 3; DC motor controls 1 and 2.

### AC Motor Speed Control and Troubleshooting

ELN 4143 1 SP

This module concludes our study of DC motor controls with a close examination of some basic concepts for DC applications that incorporate dynamic braking. The student will explore the basics of variable frequency drives and the physics behind how they control the speed of AC motors. The student will learn how to install, maintain and troubleshoot various types of variable frequency drives. Manufacturing standards and troubleshooting motor control circuits complete this exhaustive study of AC motor speed control. Topics include: AC motor speed control 1, 2 and 3; Manufacturing standards 1 and 2; Troubleshooting 1, 2 and 3.

### Introduction to Digital Electronics and Boolean Algebra

ELN 4144 1 SP

This module introduces the student to the interesting and exciting topics-Digital Electronics and Boolean Algebra. The student will learn that Boolean Algebra is a basic tool in understanding digital circuits and incorporates the AND, OR and NOT digital operatives. The student will learn how to: write the Boolean expression for a logic circuit; develop a truth table from a Boolean equation; develop a truth table from a digital circuit; simplify a logic circuit using the laws; operatives and theorems of Boolean Algebra. Topics include: Introduction to digital electronics; Introduction to Boolean Algebra; AND Logic; OR Logic; Buffers and inverter amplifiers; NAND and NOR Logic; XOR and XNOR Logic; Digital switching circuits. Eight comprehensive lab assignments give the student the experience and capability to solve problems involving digital circuits commonly found in the workplace.

### The Allen Bradley SLC 500 Family PLC's

ELN 4145 1 SP

In this module, the student will learn about the physical characteristics of Programmable Logic Controllers. Specifically, the Allen Bradley SLC 500 family of PLC's and the SLC 5/03 processor. In addition, the student will learn about the Rockwell RSLogix 500 Programming Software; the binary number system and related number systems; Ladder programming basics using the RSLogix Software; Programmable controller timers; Programmable controller counters; Shift registers and sequencers. Topics include: System components in a SLC 500 Modular PLC System; Programmable controller installation; Programmable controller fundamentals; PLC Programming software; Numbering systems; Introduction to Ladder Programming 1 & 2; Advance Programming Instructions; Timers and counters; Shift registers and sequencers.

### Fundamentals of Air Conditioning and Refrigeration

ELN 4146 1 SP

This module introduces the student to the typical mechanical refrigeration components as well as the refrigeration cycle. The student will learn how to describe the function of the various components of a typical refrigera-



## Course Descriptions - Credit Courses

tion system; trace the operating cycle of a typical refrigeration system and identify differences between ideal and realistic refrigeration cycles. In addition the student will examine various methods of troubleshooting air conditioning and refrigeration systems. This module also includes an introduction to cable faults. The student will explore some of the conditions that lead to cable failure, the types of faults along with some of the methods and equipment used to locate the cable fault. Topics include: Electrical controls for AC/R systems; Troubleshooting AC/R systems; Introduction to cable faults; Locating cable faults 1, 2 and 3.

### **Cable Tray Systems and the NEC** **ELN 4147 1 SP**

This module introduces the student to cable tray systems and the NEC Code requirements that govern their construction, installation and use. The student will also briefly examine electric welders and Phase converters. Topics include: Introduction to cable trays; Cable tray applications; Cable tray systems and the NEC; Installation of cable tray systems; Electric welders; Phase converters.

### **NEC: Hazardous-Locations Wiring Methods and Equipment** **ELN 4148 1 SP**

This module focuses on NEC Article 500-Hazardous Locations. The student will learn about the NEC classification system for hazardous substances and how they are grouped according their potential for hazard. In addition, the student will learn how to use the NEC to answer specific questions about generators, transformers and vaults, capacitors, resistors reactors and storage batteries; identify what the Code considers in special equipment; Locate information applicable to special equipment in NEC chapter 6; Calculate branch circuit conductor ampacities and sizes for special equipment. Topics include: Hazardous Locations-Classifications; Hazardous Location-Wiring Methods and equipment; Special occupancies; Electrical equipment; Special equipment.

### **Keys to Success-Motivation and Leadership** **ELN 5149 1 FA**

This module will teach the student about his/her new and more important role as an electrical journeyman, as a potential instructor, as a role model for apprentices and as a responsible and productive member of society. Topics include: After apprenticeship; Soon to be an Instructor; Keys to success - motivation and leadership; The economics of unemployment.

### **Fire Alarm Systems** **ELN 5150 1 FA**

This course has been developed to provide a high level of instruction to the Apprentice Level and Journeyman Level Installer. The student will learn the fundamentals of fire alarm systems; examine the basic signal types, circuit classes and styles and general principles of fire alarm signalling. Topics include: Introduction to fire alarm systems; Fundamen-

tals of fire alarm systems; Initiating devices; Notification devices; Wiring and wiring methods; Inspection, Testing and maintenance; Interfaced systems; Supervising stations; NICET certification. Lab assignments give students the opportunity to work with the latest fire alarm equipment available to the job site.

### **Introduction to Instrumentation** **ELN 5151 1 FA**

This module introduces the student to the fundamentals of instrumentation which is the first step in learning the measurement and controls fields. Topics include: Introduction to instrumentation-definitions; Introduction to instrumentation-fundamentals; Understanding instrument symbols; Fundamentals of instrument calibration; Understanding calibration procedures; Fundamentals of pressure; Fundamentals of flow.

### **Fundamentals of Controllers** **ELN 5152 1 FA**

This course introduces the student to more advanced topics in Instrumentation. Topics include: The fundamentals of temperature; Pneumatics and control valves; Fundamentals of controllers; The smart instrument communicator; Fundamentals of smart instrument calibration; Fundamentals of instrument installation (Parts 1 and 2).

### **Security Systems & Telephone Wiring** **ELN 5153 1 FA**

This module introduces the student to security systems. While there are a number of systems available, this course uses the Sentrol ZX400/ZX410 as its source of information. The student will learn that this particular system is very much like many others and much of the knowledge obtained studying the Sentrol Security System is applicable to other security types. In addition, the student will study Telephone Wiring. Topics include: Basic security system; Magnetic contacts; Passive infrared motion detectors; Glassbreak sensors; Basic telephone wiring; Safety codes; TIA/EIA Standards and codes; Structured cabling systems.

### **Structured Cabling Systems** **ELN 5154 1 FA**

This module introduces the student to Structured Cabling Systems with special emphasis on TIA/EIA Standards. Topics include: Structured cabling system overview; Cabling system performance; Unshielded twisted pair cables; Unshielded twisted pair connecting hardware; Pathways and spaces; Telecommunications cabling administration; Telecommunications grounding and bonding; Residential telecommunications cabling.

### **Solar Power Generation and Fuel Cell Basics** **ELN 5155 1 SP**

This course focuses on two very important alternative energy topics: Solar Power and Fuel Cell Technology. The student will study the provisions of NEC Article 690 and how they apply to Solar Photovoltaic energy systems and the Array Circuits. Topics include: NEC requirements for solar power generation; Information technology sites and critical loads; Uninterruptible



## Course Descriptions - Credit Courses

power supplies; Infrastructure components; Critical UPS systems design configurations; Solar photovoltaic systems-recommended practices (1), (2) and (3); Fuel cell basics; Fuel cell applications (1) and (2).

### High Voltage Testing

**ELN 5156 1 SP**

This module introduces the student to high voltage testing. The student will learn what high voltage testing is and why it is used; list the types of high voltage tests and describe when they are used; describe the types of leakage currents that are present during these tests; describe the advantages of AC and DC testing; describe the different types of test instruments used in conducting high voltage tests. Topics include: Introduction to high voltage testing; High voltage testing safety; Preparing for high voltage testing; Insulation quality testing; Acceptance and maintenance testing; Insulation testing using the megohmmeter.

### Harmonics and Power Quality Surveys

**ELN 5157 1 SP**

This module introduces the student to Power Quality. The student will review the various systems that comprise a modern power distribution system. He/she will learn why harmonics is considered to be one of the most significant power quality problems found in electrical distribution systems today. Topics include: Power distribution systems; Power quality terminology, Costs and concepts; Types of power problems; Harmonics; Power quality surveys; Power system troubleshooting; Mitigation equipment.

### Automation Networks

**ELN 5158 1 SP**

In this module the student will learn what automation networks are and how they are different from traditional wiring systems in buildings. In addition, the student will study about the advantages of a network infrastructure over dedicated wiring systems. Topics include: Introduction to automation networks; Automation network fundamentals; Installing building automation networks; Intelligent nodes and network devices; Integrating building automation networks.

### Understanding Emergency Building Installation Requirements

**ELN 5159 1 SP**

This module serves as a review of earlier lessons on NEC Article 230 services. In addition, it will cover items like GPPE for Services under 600 volts nominal or less and the installation requirements for services exceeding 600 volts nominal. The student will study NEC Article 725-remote control signalling and examine the significant change to the 2005 Code. Topics include: Installing electrical services; Pools, Fountains and similar locations; Understanding emergency building installation requirements; Over 600 volt installations; Remote control signalling and power limited circuits; NEC 2005 (1) & (2); Determining conductor ampacity.

### Electrical Load Calculations as per the NEC **ELN 5160 1 SP**

This final Code lesson concentrates on various load calculations for single and multifamily residential units. Topics include: Calculating raceway fill; Box size and fill calculations; Introduction to load calculations; Calculating range loads as per the NEC; Calculating residential loads as per the NEC; Calculating multifamily dwelling loads as per the NEC.

## ELECTRONICS TECHNOLOGY

### Introduction to the Trade

**ELT 1109 2 FA**

This module introduces the role of the electronics technician in industry with emphasis on health and safety features. Subjects included are as follows: Opportunities in the industry; Integrated building management systems; Rules, regulations and standards; Certification and licensing; Responsibilities as an employee; Professional obligations; Obligations to customers; Courtesy and respect; Communicating as a professional; Teamwork; Conflict resolution; Industry standards and building codes; Documentation and paperwork; The history of apprentice training and modern apprenticeship training; Tools of the trade. The module also introduces: Construction materials and methods; Building materials including engineered wood products; Masonry materials and metal; Residential frame construction; Commercial construction methods; Fire-rated and sound-rated construction; Tools used for running cable; Project schedules.

### Pathways and Spaces Fasteners and Anchors

**ELT 1110 1 FA**

Skills gained in Construction Materials and Methods will be helpful in learning the proper mounting techniques for raceways and electronic equipment. Topics covered will include the following: NEC Articles 250 – Grounding through to the NEC 800 Articles – Communications Systems; Raceways; Types of conduit; Metal conduit fittings; Bushings and locknuts; Sealing fittings; Cable and raceway supports; Surface metal and non-metallic raceways; Cable trays; Storing raceways; Handling raceways; Underground systems; Metallic and non-metallic boxes; Making a conduit-to-box connection; Construction procedures; Overview of cable distribution. This module also covers the hardware and systems used by a low voltage technician to mount and support boxes, receptacles, and other electrical components. Trainees learn the various types of anchors and supports, their applications, and how to install them safely.

### Job-Site Safety and Craft-Related Mathematics **ELT 1111 1 FA**

This module covers safety rules and regulations for electricians. Trainees learn the necessary precautions to take for various electrical hazards found on the job. It also teaches the OSHA-mandated lockout/tagout procedure. Topics included are as follows: Electrical shock; Reducing your risk; OSHA; Ladders and scaffolds; Lifts, Hoists, Cranes; Lifting; Basic tool

## Course Descriptions - Credit Courses

safety; Confined space entry procedures; First aid; Solvents and toxic vapours; Asbestos; Batteries; PCBs; Fall protection. This module expands on the knowledge gained in the Core Curriculum Basic Math Module. Emphasis is placed on the metric system, including conversion between corresponding English and metric system units. Also covered are the use of scientific notation, powers and roots, the basic concepts of algebra, geometry, and right-angle trigonometry.

### **Hand Bending of Conduit and Low-Voltage Cabling**

**ELT 1112 2 FA**

This module provides an introduction to conduit bending and installation. It also covers the techniques for using hand-operated and step conduit benders, as well as cutting, reaming, and threading conduit. Subjects covered are as follows: Cutting conduit with a hacksaw, Cutting conduit with a pipe cutter, Reaming conduit, Threading conduit, Cutting and joining PVC conduit; Hand bending equipment, Geometry required to make a bend, Making a 90 degree bend, Gain, Back-to-back 90-degree bends, Parallel offsets, Saddle bands, Four bend saddles. This module also covers the makeup, identification, and applications of various types of conductors and cables used in telecommunications and security systems. It describes the tools, materials, and procedures for pulling cables through conduits and raceways. Topics covered are as follows: Low-voltage cable conductors & insulation; Low voltage and optical fibre cables; NEC classifications and ratings; Commercial cable installation; Residential low-voltage cable installation; Interior low-voltage cabling installation requirements; Telephone systems; Electromagnetic interference (EMI) considerations.

### **Fundamentals of Electric Circuits**

**ELT 2113 2 SP**

This module offers a general introduction to the electrical concepts used in Ohm's law as applied to DC series circuits. It includes atomic theory, electromotive force, resistance, and electrical power equations. This module introduces series, parallel, and series-parallel DC circuits and covers Kirchhoff's voltage and current laws and circuit analysis. The module then introduces AC theory, circuits, and components including inductors, capacitors, and transformers. It covers the calculation of reactance and impedance in RL, RC, LC, and RLC circuits using math and vector analysis. The module also provides an introduction to the principles of electronics and semiconductor theory, components, and applications. Laboratory exercises provide confirmation of theory and practice with test equipment.

### **Test Equipment Quality, Grounding & Blueprints**

**ELT 2114 2 FA**

This module covers selection, inspection, use, and maintenance of analog and digital meters used in the installation and checkout of electronic systems. Topics included are as follows: Meters; Ammeter; Voltmeter;

Ohmmeter; Volt-Ohm-Milliammeter; Digital Meters; Continuity Testers. The module introduces grounding and bonding of electrical systems. National Electrical Code (NEC) regulations pertaining to grounding and bonding are thoroughly covered. Equipment and devices used for grounding and bonding, including their methods of installation, are covered. Also introduced is an explanation of power quality, along with the causes and effects of poor power quality. Equipment and devices used to maintain good power quality are covered. This module introduces electrical prints, drawings, and symbols. Trainees learn the types of information they can find on schematics, one-line drawings, and wiring diagrams. Laboratory included.

### **Switches, Timers, Cable Terminations, Codes and Standards**

**ELT 2115 3 SP**

This module presents the principles of operation and describes the different types and configurations of switches, relays, timers, and photo-electric devices. Guidelines for the selection of appropriate devices using specification sheets are also covered. The module provides information and detailed instructions for selecting, installing, and testing connectors and other terminating devices on the various cables used in low-voltage work, including telecommunications, video and audio, and fibre optics. The module describes the scope and content of the major codes and standards that apply to the telecommunications, life safety, security, and other low-voltage systems. Emphasis is placed on familiarisation with and use of the National Electrical Code (NEC). Laboratory included.

### **Computer Applications and Advanced Test Equipment**

**ELT 2116 3 SP**

This module provides an introduction to computer hardware and software, as well as the types and uses of computer networks. Explains many terms used in conjunction with computers and computer networks. Also introduces the trainee to computer troubleshooting. This module covers: Test devices such as oscilloscopes; Signal generators, meggers, wattmeters, frequency meters, cable testers; RF analysers used in troubleshooting cable systems. Laboratory included.

### **Cable Selection Busses & Networks Fiber Optics**

**ELT 2117 4 FA**

This module introduces the types of cable used for various low-voltage installations. It also covers the methods used to select the proper size and type of cable for a typical installation. This module provides information on connecting computers and components. It includes various methods for connecting computers in a network and connecting controls and equipment in a control system and it provides information on how data is transferred between the nodes in a network. This module introduces the types of equipment and methods used in fibre-optic installation. Topics

## Course Descriptions - Credit Courses

covered are as follows: Introduction; Theory and components; Transmitters and receivers; Connectors, couplers and splices; Working with Fibre-Optics; Splicing; Testing; Review; Module examination; Performance testing. Laboratory Included.

### **Video Systems and Wireless Communication ELT 2118 2 FA**

This module introduces video technology, and it explains uses that include video display for public, educational, and business applications. It identifies new and existing technologies and emphasises integration issues. Topics covered are as follows: Introductions and overviews; Video displays; Video processing and distribution; Laboratories; Review; Module examination; Performance testing. This module introduces the operating principles and equipment used in common types of radio frequency (RF) and infrared (IR) wireless communication systems. The systems covered include RF communications systems, IR-controlled systems, power line carrier (PLC) systems, RF and IR wireless computer networks, and satellite communication systems. The equipment used for testing and troubleshooting wireless communications systems is also covered. Laboratory included.

### **Site Survey Project Planning Maintenance & Repair ELT 2119 2 FA**

This module covers the tasks involved in planning a job from start to finish, including how to perform site surveys for both new and retrofit construction projects. The different kinds of drawings, specifications, and other documents commonly used while performing these tasks are also covered. This module introduces background information and tasks involved in maintenance and repair of low-voltage systems and equipment. A systematic approach, component-level trouble shooting and methods of identifying common types of repairs. Background information and general guidelines for various preventive maintenance tasks are also covered. Laboratory included.

### **Introductory Skills for the Crew Leader & Rack Systems ELT 2120 2 FA**

This course introduces the basic leadership skills a crew leader needs in order to supervise a crew. Trainees will learn about the following: The construction industry today; Construction organisation; Team building; gender and minority issues; Communication; Motivation; Problem solving; Decision making; Safety; Project control. This module introduces the trainee to the various types of equipment racks used to house electronic equipment. The module also covers grounding and ventilation requirements for racks and rack mounted equipment. Laboratory required.

### **Fire Alarm and Intrusion Detection Systems ELT 3121 4 SP**

This module covers the basics of fire alarm and intrusion detection systems, including devices, circuits, system design and installation guidelines, power requirements, control panel programming, testing, and troubleshooting. It is recommended that the trainee shall have successfully completed the Core Curriculum and Electronic Systems Technician Levels one through three. Laboratory required.

### **Audio and Nurse Call and Signalling Systems ELT 3122 5 SP**

This module covers the various elements of a basic sound reinforcement system, including speakers, microphones, and signal processing equipment, along with their installation and testing requirements. The module also introduces the trainee to the nurse call systems used in various types of health care facilities. Laboratory included.

### **CCTV Systems and Broadband Systems ELT 3123 2 SP**

This module covers the equipment used in CCTV systems, as well as the methods used to integrate these components into systems that meet surveillance needs of different users. The module also introduces the trainee to the operation, maintenance, and troubleshooting procedures pertaining to broadband systems. The broadband systems covered include cable television (CATV) systems, satellite master antenna television (SMATV) systems, and master antenna television (MATV) systems. Laboratory included.

### **Access Control Systems and Systems Integration ELT 3124 3 SP**

This module covers the basics of access control systems, including devices, circuits, system design and installation guidelines, power requirements, control panel programming, testing, and troubleshooting. The module also explains the considerations for integration of various automated building systems. It covers communications, network configuration, system performance, programming considerations, and user interface. Laboratory included.

### **System Commissioning, User Training and Media Management ELT 3125 1 SP**

This module explains the system commissioning process used to verify the correct operation of a system following installation; and provides guidance to technicians who must train user personnel in the operation of a new system. The module also introduces the trainee to the methods used to store and distribute electronic media such as photographs, text, video, audio recordings, and presentations. Laboratory included.

## Course Descriptions - Credit Courses

### ENGLISH AND COMMUNICATIONS

#### Preparatory College Writing I

ENG 0011 0 FA/SP

A basic writing course emphasising the development, organisation and revision of paragraphs and short essays. Students receive instruction in grammar, rhetorical strategies and the practices of standard written English. **Prerequisite:** Satisfactory performance on the College Placement Test. **Successor:** ENG 0012

#### Preparatory College Writing II

ENG 0012 0 FA/SP

This course focuses on further development of expository writing skills and the introduction of the argumentative research essay. Special attention is given to essay structure, coherence and the practices of standard written English. Research techniques are introduced and practised in the single source essay and in a short researched essay. **Prerequisite:** A grade of "C" or better in ENG 0011 or satisfactory performance on the College Placement Test. **Successor:** ENG 1111

#### Preparatory College Reading I

ENG 0015 0 FA/SP

Development of college-level study and reading skills. Instruction includes outlining, summarising, increasing vocabulary, improving comprehension through reading essays and short fiction, and developing library skills and test-taking strategies. **Prerequisite:** Satisfactory performance on the College Placement Test. **Successor:** ENG 0016

#### Preparatory College Reading II

ENG 0016 0 FA/SP

Reinforces and builds upon skills developed in ENG 0015 through a study of selected readings from textbooks abstracts, library sources, and different literary genres such as poetry and drama. **Prerequisite:** A grade of "C" or better in ENG 0015 or satisfactory performance on the College Placement Test.

#### Communications for Industry I

ENG 1044 3 FA

A course emphasising communication skills for industry, including reading and comprehension of printed material used in industry, interpreting graphs and charts, writing short reports, instructions and memos, and giving a short presentation. Students receive reinforcement in the practices of standard written English. This course is a certificate course and will not normally transfer into degree programmes. **Prerequisite:** Satisfactory performance on the College Placement Test.

#### Communications for Industry II

ENG 1045 3 SP

A course emphasising comprehension and summary of industry-related material, writing researched reports, preparing short talks, and developing different styles of letters and memos commonly required in industry. This

course is a certificate course and will not normally transfer into degree programmes. **Prerequisite:** A grade of "C" or better in ENG 1044 or satisfactory performance on the College Placement Test.

#### Writing in Business I

ENG 1050 3 FA

A course focusing on the acquisition of skills needed for effective writing in the business world. Students receive reinforcement in the practices of standard written English. Emphasis is placed on specialised forms of written communication commonly used in business with particular attention given to correspondence. This course is a certificate course and will not normally transfer into degree programmes. **Prerequisite:** A grade of "C" or better in ENG 0011 or satisfactory performance on the College Placement Test.

#### Freshman Composition

ENG 1111 3 FA/SP

A course intended to prepare students for college writing and beyond. There is a focus on composition that includes writings such as essays (exemplification, cause-effect, process analysis, compare and contrast, division and classification etc.) editorials, manifestos, blogs etc. Students develop research and documentation skills (MLA) and apply them to required research papers and assignments. **Prerequisites:** A grade of "C" or better in ENG 0012 and ENG 0016 or satisfactory performance on the College Placement Test.

#### Literary Analysis

ENG 1112 3 FA/SP

An introduction to literary analysis that focuses on devices such as imagery, setting, character, point of view, theme, and figures of speech in selected works of prose, poetry, drama and short fiction. Students read works from different perspectives and prepare analytical and researched essays. **Prerequisite:** ENG 1111

#### Writing for Professionals

ENG 1115 3 FA/SP

A writing course designed for students who wish to develop the organisational techniques, style, and research skills appropriate to business and industry. Analysis will be emphasised. An investigative report is required. **Prerequisite:** ENG 1111

#### Survey of English Literature I

ENG 2203 3

A critical and appreciative study of major British authors and types of literature including poetry, prose and drama from the Anglo-Saxon period to the eighteenth century. The works studied may vary year to year, but the course will look at works by the Beowulf poet, Chaucer, Shakespeare, Donne, Milton, Swift and Fielding. There will be some attention given to the historical context. **Prerequisite:** ENG 1112



## Course Descriptions - Credit Courses

### Survey of English Literature II

**ENG 2204 3**

A critical and appreciative study of major British authors and types of literature including poetry, prose and drama from the Romantic period to the present. The works studied may vary from year to year. There will be some attention given to the historical context. **Prerequisite:** ENG 1112

### Oral Communication

**ENG 2212 3 FA/SP**

A study of the theory and practice of public speaking. Levels of communication and their application. The focus is on preparing and delivering oral presentations. **Prerequisite:** ENG 1112 or ENG 1115

### Argumentative Writing

**ENG 2213 3**

Analysis, development, and application of practical and logical reasoning, essential to all disciplines, are emphasised. The course covers a range of argumentative styles with special focus on organisational techniques and overall principles of writing. **Prerequisite:** ENG 1112 or ENG 1115

### Shakespeare ENG 2220

**ENG 2220 3**

A study of selected Shakespearean poetry and drama including tragedies, comedies and histories. **Prerequisite:** ENG 1112

### Studies in African Literature

**ENG 2236 3**

A study of novels, essays, poetry and plays written in English by African and other authors. Selections will be viewed from the perspective of historical and political developments. Works by representative authors such as Achebe, Armah, Ngugi, Soyinka, Ousemende, Lawrence and Lessing are included. **Prerequisite:** ENG 1112

### Studies in Caribbean Literature

**ENG 2238 3**

A study of novels, short stories and poetry, written in English, reflecting the cultural variety and historical richness of the literature of the Caribbean area. Works by representative authors such as Lovelace, Lamming, Frederick, Patterson, Rhys, Naipaul and Walcott are included. **Prerequisite:** ENG 1112

### Women Writers

**ENG 2239 3**

A selected study of novels, short stories, drama and poetry, written by women from the mid-19th Century to the present. Works by representative authors from the United States, the Caribbean, Africa, Asia and Bermuda. **Prerequisite:** ENG 1112

### American Literature: The Beginnings to 1865 ENG 2254 3

An overview of American literary history from its beginnings to the Civil War. While some attention is given to historical context, the course primarily focuses on representative writers of each period, changes in literary style, and major topics such as slave narratives and dynamics leading to the Civil War. **Prerequisite:** ENG 1112

### American Literature: 1865 to The Present ENG 2255 3

An overview of American literary history from the Civil War to the Present. While some attention is given to historical context, the course primarily focuses on representative works by selected writers of the respective periods, on the growth of literary forms, and on changes in literary tastes. **Prerequisite:** ENG 1112

### Studies in Bermudian Literature

**ENG 2260 3**

Bermuda's unique cultural and literary landscape will be explored through a study of fiction, poetry and drama by early and contemporary writers. The course will start by looking at the role in world literature played by the discovery of Bermuda and will go on to investigate the realities of the slave society. The complexities of twentieth and twenty-first century Bermuda will be the basis of the rest of the course that will feature the work of Brian Burland. **Prerequisite:** ENG 1112

### Special Themes and Topics in English

**ENG 2298 3**

Designed to allow students an opportunity either for in-depth inquiry into a topic covered in another 2200-level course or for the study of a special topic or theme in English language and literature. The topics will vary from time to time.

## FILM STUDIES

### Introduction to Film Studies

**FLM 1101 3**

This course teaches the fundamental concepts and critical skills involved in interpreting film. Students shall participate in discussing and viewing films and clips. In addition, they are required to produce a series of critical essays and a film project.

### Genre Studies

**FLM 2201 3**

This course concentrates on the major classifications of film genres and respective iconography through representative films. Classic, contemporary, and international films are considered as they express meanings (themes) to which the audience responds by engaging with cinema in its function as an art, a science, and as a global enterprise.

**Prerequisites:** ENG 1111



## Course Descriptions - Credit Courses

### FOOD AND BEVERAGE SERVICE

#### Food Service I

**FAB 1100 4 FA/SP**

Practical food, beverage and wine service skills and knowledge in a dining room, principles of merchandising and salesmanship, customer relations, forecasting and planning workloads and bar technology. Students are required to obtain the Federation of Dining Room Professionals Certified Dining Room Associate and the Associate Wine Steward certification.

**Prerequisite:** CUL 1104

### FRENCH

#### Beginners French I

**FRE 1101 3 FA**

Designed for students who have done little or no French in secondary school. An introduction to the basic language skills of comprehension, speaking, reading and writing with emphasis and audio-lingual and writing skills.

#### Beginners French II

**FRE 1102 3 SP**

A continuation of FRE 1101 with increasing attention to the relationship between speaking and writing French. **Prerequisite:** FRE 1101

#### Intermediate French I

**FRE 2211 3 FA**

A study of the techniques French composition. Emphasis on grammatical analysis of extended readings, class discussion, translation and essay writing, in French. **Prerequisite:** FRE 1102

#### Intermediate French II

**FRE 2212 3**

A continuation of the studies developed in FRE 2211.

**Prerequisite:** FRE 2211

#### French & Francophone Literature and Culture **FRE 2213 3**

This course introduces a variety of Francophone literary genres and periods which have influenced literature internationally. Explore, discuss, and travel through reading diverse Francophone literature from France, Africa, the Caribbean, Canada, Belgium, and Tahiti. Apply cultural history to current events via interactive tasks, print, and digital literature.

**Prerequisite:** FRE 2211 or permission from the lecturer.

#### Conversational French

**FRE 2222 3**

This course is designed to give students linguistic competencies for everyday situations. Students will further develop audio-lingual, listening and writing skills and vocabulary for life settings. It offers a variety of deeper cultural learning opportunities that would otherwise be achieved while living in a French speaking country. **Prerequisite:** FRE 2211 or permission from lecturer.

### HEATING, VENTILATION & AIR CONDITIONING

#### Fundamentals of Heating and Cooling

**HVA 1101 5 FA**

The following skills are contained in this module: Describe basic principles of HVAC; Complete basic trade calculations; Use Ohm's Law to analyse electrical circuits; Analyse the refrigeration cycle; Describe operation of furnaces.

#### Mechanical Maintenance

**HVA 1102 3 SP**

The following topics are contained in this module: Analyse air properties; Select and install venting systems; Maintain mechanical components; Test AC circuits and components.

#### HVAC Controls

**HVA 1103 3 SP**

The following topics are contained in this module: Test electronic circuits; Test electric furnace controls; Operate electric, electronic and pneumatic control systems; Identify accessories; Install and adjust refrigerant controls.

#### Refrigeration System Service

**HVA 1104 4 SP**

The following topics are contained in this module that will help students: Operate, service and install compressors; Service heat pumps; Use of leak detectors, vacuum pumps, recovery units and charging systems; Recycle refrigerants. During this module students will write the Ministry of Environment Certification exam for CFC Handling in Bermuda.

#### Senior Student Project I

**HVA 1105 2 FA**

This module will consist of a hands-on project in the workshop to develop students' practical application of theory learned in the first two semesters of the programme. The project will vary each year according to grants received from ASHRAE. Requirements include a progress report to be sent to ASHRAE at the end of the semester.

#### Troubleshooting Heating

**HVA 1106 3 FA**

The following topics are contained in this module: Perform preventive maintenance; Apply troubleshooting techniques; Troubleshoot electronic controls, gas, oil and electric heating systems.

#### Troubleshooting Cooling

**HVA 2107 3 FA**

The following topics are contained in this module: Troubleshoot cooling equipment, heat pumps and accessories.

#### Hydronics

**HVA 2108 2 SP**

The following topics are contained in this module: Service commercial hydronic systems; Balance air and water systems; Maintain steam systems.

## Course Descriptions - Credit Courses

### Senior Student Project II

**HVA 2109 2 SP**

This is a continuation of Module 5. Requirements include a final report to be sent to ASHRAE at the completion of the project.

### System Performance

**HVA 2110 3 SP**

The following topics are contained in this module: Use of blueprints; Test indoor air quality; Identify energy conservation equipment.

### Energy Management

**HVA 2111 3 FA**

The following topics are contained in this module: Explain energy management; Maintain water quality; Start-up and shutdown commercial systems.

### System Design

**HVA 2112 3 FA**

The following topics are contained in this module: Calculate heat loads; Identify cold storage equipment.

## HISTORY

### World History I

**HIS 1140 3 FA**

A survey of world history from the spread of Islam to the era of European global expansion. The course uses primary and secondary material in an attempt to understand the social, political, intellectual and cultural development of civilisations around the world. **Prerequisite:** A grade of "C" or better in ENG 0012

### World History II

**HIS 1141 3 SP**

This course analyses the development and interaction of world civilisations from the spread of Christianity to the First World War. Topics include the Scientific and Industrial Revolutions, colonialism and imperialism. Coverage also includes development in the Americas, the Caribbean and Bermuda. **Prerequisite:** A grade of "C" or better in ENG 0012

### The United States Since the Civil War

**HIS 2203 3 FA**

An in-depth study of the period of Reconstruction after the Civil War and of the major social and economic forces which transformed the United States from an agrarian republic to an industrial nation at the turn of the 20th Century. **Prerequisites:** HIS 1140 and HIS 1141

### The United States as a World Power

**HIS 2204 3 SP**

A study of America's emergence as a power on the world stage from the First World War to the "Cold War", the development of her industrial might, as well as social and political trends. **Prerequisites:** HIS 1140 and HIS 1141. HIS 2203 is highly recommended.

### Modern Bermuda 1834-1963

**HIS 2230 3 SP**

This course focuses on the economic and social changes occurring in Bermuda between the abolition of slavery and the introduction of universal adult suffrage. Topics to be considered include: Social structure of post-emancipation society; Bermuda's economic development since emancipation; Conflict and change during the inter-war years; Genesis of the labour movement; Universal suffrage. The methodology of family history will also be examined. **Prerequisites:** HIS 1140 and HIS 1141

### Special Topics in History

**HIS 2298 3**

Designed to allow students an opportunity either for in-depth inquiry into a topic covered in another 2200-level course or for the study of a special topic in history. The course is offered periodically depending on student interest. **Prerequisite:** Appropriate 1100-level courses and/or a 2200-level course relevant to the topic.

## HOTEL MANAGEMENT

### Introduction to Lodging Management

**HMT 1120 3 SP**

A study of hotel organisation with particular reference to skills required for lodging management. Topics include: Reservations, Reception; Cashiering; Night Audit; Housekeeping. Students are required to gain practical experience shadowing supervisors in the front office, housekeeping and reservation departments at the Coco Reef Resort or another approved establishment.

### Introduction to the Hospitality Industry

**HMT 1155 3 FA**

This course is designed to provide an overview, and a fundamental understanding of the basic principles, practices and concepts of the hospitality industry. **Prerequisite:** Satisfactory performance on College Placement Test with a minimum score of 50 in Reading Comprehension and 50 in Sentence Skills.

### Hotel Management Internship

**HMT 1175 3 FA/SP/SM**

Work experience in the kitchen, service and management areas of an assigned hotel. Practical experience in culinary preparation, food and beverage management and service, housekeeping, front office reception and reservations, and hotel management is provided. **Prerequisites:** A minimum GPA 2.0 or higher in all Hospitality Management programme courses required as prerequisite; HMT 1120, CKN 1102 and FAB 1100

### Hospitality Sales and Marketing

**HMT 1265 3 FA**

A broad perspective of hospitality marketing, placing emphasis on the analysis, structure, and strategy of the hospitality marketing department, allocation of resources, marketing research, and the effectiveness of the

## Course Descriptions - Credit Courses

marketing plan. It will also take an in-depth study into the promotional tool of personal selling, target marketing, product positioning, with an emphasis on identifying and meeting the sales needs of the customer.

**Prerequisite:** HMT 1175

### **Hospitality Supervisory Practices** **HMT 2255 3 SP**

A study of the theory and practices relating to supervision within the hospitality industry including recruitment, motivation, discipline, communications, conflict resolution, effective change.

**Prerequisites:** HMT 1175 or CUL 1119

### **Food and Beverage Management** **HMT 2260 3 SP**

A study of the art and science of managing a profitable food and beverage operation. Management structure and functions, Food and beverage cost controls, Prevention of theft and fraud, and The management of small business operations will be covered. **Prerequisite:** FAB 1100

## INSURANCE

### **Introduction to Risk and Insurance** **INS 1101 3 FA**

Key concepts and legal principles in risk management and insurance are taught. Government regulations and the social and economic significance of the insurance industry are also explored. **Prerequisite:** A grade of "C" or better in ENG 0012

### **Property and Casualty Insurance** **INS 2201 3**

Examines personal and commercial property and liability risks, crime insurance and surety bonds, along with the interpretation of insurance contracts. **Prerequisite:** INS 1101

### **Life and Health Insurance** **INS 2202 3**

The economic principles, mathematical foundations and legal framework underlying life and health insurance are explored. **Prerequisite:** INS 1101

### **Reinsurance Products and Transactions** **INS 2205 3**

In this course, students will learn the types and functions of reinsurance. They will also study quota and surplus share insurance. Additional topics include mitigating liability and working with loss. Students will also examine how insurers and reinsurers collaborate. **Prerequisite:** INS 1101

### **Insurance Operations** **INS 2220 3**

In this course, students will study various facets of insurance operations, including regulating, marketing and distributing insurance. They will also learn how to underwrite risks and analyse claims. They will explore reinsurance, examine the use of technology in insurance and examine strategic

management. A minimum grade of "B" or better will be eligible for a waiver for the CPCU 520 exam from The Institutes. **Prerequisite:** INS 1101

### **Risk Management** **INS 2225 3**

Assesses business and personal risk and examines the development of risk control methods, financing techniques for risk exposures and effective risk management alternatives. Students who complete of this course with a grade of "B" or better will be eligible for a waiver for the CPCU 500 exam from The Institutes. **Prerequisite:** INS 1101

### **Managing Evolving Risk** **INS 2230 3**

In this course, students will expand their knowledge on the quadrants of risk associated with insurance. They will also study data analytics and risk treatment techniques. Additional topics include legal and regulatory compliance. Students who complete this course with a grade of "B" or better will be eligible for a waiver for the CPCU 500 exam from The Institutes. **Prerequisite:** INS 2225

### **Special Topics in Insurance** **INS 2298 3**

Course participants will learn about the international re/insurance sector in Bermuda by tracing the evolution of the insurance concept from its humble beginning as the headquarters for American International Company in 1948 to a major global player of risk management. **Prerequisite:** ENG 1111

## LAW

### **Business Law** **LAW 2203 3 SP**

This course gives students a working knowledge of the legal system and the law and how it affects day-to-day operations of business. Emphasis is on the Law of Contract, the Law of Torts and Employment Law. **Prerequisite:** 18 credits at the 1100-level.

## MANAGEMENT

### **Accounting in Action** **MGN 1015 3 SP**

This course will draw upon the knowledge and skills students have acquired throughout the Accounting Assistants programme. The use of practical accounting-oriented mini-case studies and simulations will aid in the development of students' problem-solving and decision-making skills. Students will be required to present their decisions in writing and through oral presentations and discussions. **This course is a certificate course and will not normally transfer into degree programmes.** **Prerequisite:** CIS 1120 **Corequisite:** ACC 1042

## Course Descriptions - Credit Courses

### Accounting Assistant Work Placement

**MGN 1016 1 SP**

This course requires the student to demonstrate professional ethics, skills and knowledge required of an accounting assistant in the office environment. This course is a final course preparing the student for immediate employment. This course is a certificate course and will not normally transfer into degree programmes. **Prerequisites:** A minimum GPA 2.0 or higher in all Accounting Assistant programme courses required as prerequisite; ACC 1041, CIS 1120, **Corequisite:** MGN 1015, MGN 1040, and ACC 1042

### Foundations of Business

**MGN 1017 3 FA**

This course introduces students to business by defining what a business is and examining the environment in which today's businesses exist. It defines the role of manager, examines the organisation of the business into functions and describes the responsibilities of each main function. **This course is a certificate course and will not normally transfer into degree programmes. Prerequisite:** A grade of "C" or better in ENG 1044

### Communication and Presentation Skills

**MGN 1040 2 SP**

This course provides training in oral and written communication skills necessary in the workplace. Presentation software will be utilised. **This course is a certificate course and will not normally transfer into degree programmes. Prerequisite:** Basic computer skills

### Introduction to Business

**MGN 1114 3 FA/SP/SM**

This course provides an introduction to business concepts and functions. Topics covered include: Ethics and social responsibility, Forms of business ownership, Small business and entrepreneurship, Management and organisation of the firm, Marketing, operations, finance, and human resources. Emphasis will be placed upon the discussion of current issues and trends relating to these topics. Case study analysis will be introduced. **Prerequisite:** A grade of "C" or better in ENG 0012

### Tourism

**MGN 1116 3 SP**

An introduction to tourism, including tourism supply components, marketing and the social and economic impact of tourism development both internationally and in Bermuda. **Prerequisite:** A grade of "C" or better in ENG 0012

### Customer Service Skills

**MGN 1129 3 SP**

This course will provide students with a systematic process for developing customer service skills that are required to deliver "service excellence;" a term used to describe the exceptional levels of service that customers seek. In addition to learning about what makes up the twenty first century "service economy," students will have an opportunity to develop "service excellence" strategies that they can apply in their future careers. Emphasis

will be placed learning how to become obsessed with satisfying customer needs, effectively dealing with difficult customers, consistently communicating with customers, building lasting relationships with customers and embracing emerging service oriented technologies designed to foster brand loyalty. **Prerequisite:** A grade of "C" or better in ENG 0012

### Introduction to Human Resource Management

**MGN 2110 3 SP**

This course will expose students to the diverse area of human resource management and the theory and practice in areas such as recruitment and selection of staff, training and development and performance appraisal. Relevant legislation, current and future trends will also be explored. **Prerequisites:** MGN 1114 and ENG 1111

### Business Work Placement

**MGN 2119 3 FA/SP/SM**

An academic practicum designed to provide an opportunity to apply knowledge gained in the classroom to a work environment. The practicum is a minimum of eighty hours of unpaid work experience. **Prerequisites:** A minimum GPA 2.0 or higher in all Business Management programme courses required as prerequisite; ACC 1140 or CIS 1130 as well as ACC 1135, ACC 1145, CIS 1120, CSC 1110 and MGN 1114 or permission from the Practicum Coordinator.

### Marketing Management I

**MGN 2210 3 FA**

An introduction to marketing that examines the marketing concept, the consumer, marketing opportunities, target marketing and the four components of the marketing mix, i.e. price, product, place and promotion. **Prerequisite:** MGN 1114

### Marketing Management II

**MGN 2211 3 SP**

A continuation of MGN 2210 that looks at consumer buying behaviour, retailing, wholesaling, selling, price setting, product life cycle, market research and international marketing. **Prerequisite:** MGN 2210

### Business Analysis and Communication

**MGN 2217 3 SP**

This course reinforces the theoretical principles of business introduced in MGN 1114 through communication skills development. It will require students to make practical use of introductory business concepts. Students will be required to research and analyse business-related material and express their ideas in the form of oral presentations, formal reports and case studies. **Prerequisites:** CIS 1120 and MGN 1114

### Organisational Behaviour

**MGN 2222 3 SP**

This course examines the behaviour of individuals and groups in organisations. Topics include: Perception; Motivation; Rewards; Managing inter-group conflict; Managerial functions; Power; Leadership styles and managing change. **Prerequisite:** MGN 1114

## Course Descriptions - Credit Courses

### Introduction to Project Management

**MGN 2230 3 SP**

Project management is becoming increasingly more important in today's world. Mastery of key tools and concepts provides a significant competitive advantage in the marketplace. This course content deals with setting the scope of the project, planning, staffing, organising, directing, controlling and closing projects. The course includes major topics such as strategy, priorities, organisation, project tools and leadership. Primary class emphasis is on the project management process and tools.

**Prerequisite:** CIS 1120

### Finance I

**MGN 2240 3 FA**

The course provides an in-depth study of the techniques required for managerial decision-making in the financial area. Topics include: Mathematics of finance; Financial analysis; Financial management; Interest rate theories; Working capital management; Short-term financing and capital markets. **Prerequisites:** ACC 1145 and MAT 1131

### Finance II

**MGN 2241 3 SP**

A continuation of MGN 2240. Topics include: Present values; Cost of capital; Managing risk; Long-term financing; Dividend policies; Calculating bond and stock values. **Prerequisite:** MGN 2240

### Introduction to Small Business Management

**MGN 2245 3 FA**

This course introduces the student to interrelated operations of a small business. The content covers the essentials of starting a small business from the generation of the idea through the completion of the business plan, as well as the practical aspects of the day-to-day operation.

**Prerequisite:** MGN 1114

### Introduction to International Business

**MGN 2250 3 FA**

An introduction to the world of international business and Bermuda's role in the global economy. The course will raise students' levels of awareness and understanding of the way business is conducted worldwide. Topics such as the Role of international business in Bermuda's economy; Cross-cultural communication and management; International marketing and finance; and the Structure of the multinational organisation will be covered. **Prerequisite:** MGN 1114

### Introduction to Business Analytics

**MGN 2260 3**

This course introduces the basic concepts and applications of business analytics. Topics include an overview of the analytical process and the role of the analysis. Upon completion students will be able to demonstrate an understanding of analytics for decision-making in business. **Prerequisites:** MGN 1114 and ENG 1111

### Special Topics in Management

**MGN 2298 3**

Designed to allow students an opportunity either for in-depth inquiry into a topic covered in another 2200-level course or for the study of a special topic or theme in management.

## MASONRY

### Introduction to Masonry

**MAS 1109 3 FA**

In this unit students will be introduced to the current methods and procedures that are used in the masonry trade. The knowledge, skill and ability requirements of the mason will be stressed.

### Masonry Techniques I

**MAS 1110 4 FA**

Students will learn the methods and procedures used in masonry unit installation and also the properties and mixture make-up of mortar.

### Residential Masonry

**MAS 1111 2 SP**

This unit covers information that a mason would need to work with residential plans and construction drawings, as well as the construction techniques required for residential and small structure foundations.

### Methods of Masonry Reinforcement

**MAS 1112 1 SP**

This unit focuses on the use of grout, the locations where it can be used and the techniques for placement. The course also acquaints the mason with other types of reinforcement and metal components such as steel, metal rods, joint reinforcements, plates, anchors, fasteners and hollow metal frames for doors and windows.

### Masonry Techniques II

**MAS 2113 5 SP**

In this unit the mason will be acquainted with various types of metal and the methods of moisture control associated with masonry.

### Masonry Techniques III

**MAS 2114 6 FA**

This unit covers the use of scaffolding in masonry construction, the procedure for testing masonry materials and the techniques for finished masonry.

### Commercial Drawing & Estimating

**MAS 2115 2 SP**

The unit describes the standard format for specifications and content for the use of commercial drawings, the basic procedures for doing takeoffs and estimating quantities of masonry material. Several different methods are described.



## Course Descriptions - Credit Courses

### Site Layout & Introduction to Crew Leadership MAS 2116 2 SP

In this unit the trainee will be introduced to the principles, equipment and methods used to perform site layout tasks of distance measurement and differential levelling. The unit also covers: Responsibilities of individuals on site; Understanding and using methods of job site communication; Basic leadership skills; Crew leadership needs in order to supervise a crew.

## MATHEMATICS

Some courses may require the use of computer software.

### Basic Mathematics MAT 0010 0 FA/SP

A review of foundational-level mathematics for students needing to strengthen their problem solving skills. Topics include adding, subtracting, multiplying, and dividing fractions, decimals, and integers.

**Successor:** MAT 0014

### College Preparatory Mathematics I MAT 0014 0 FA/SP/SM

An elementary course developing a foundation in algebra. Topics include linear equations & inequalities, equations of lines, exponents and polynomials. **Prerequisite:** A grade of "C" or better in MAT 0010, or satisfactory performance on the College Placement Test. **Successor:** MAT 0015

### College Preparatory Mathematics II MAT 0015 0 FA/SP/SM

An intermediate algebra course preparing students for entry to college level mathematics. Topics include polynomials with emphasis on factoring and solving quadratic equations, solving rational and radical equations, simplifying complex expressions, and performing basic operations on rational and radical expressions. **Prerequisite:** A grade of "C" or better in MAT 0014, or satisfactory performance on the College Placement Test.

**Successor:** MAT 1105, MAT 1107, or MAT 1131

### Business Mathematics MAT 1034 3 FA

Topics include bank services, payroll calculations, mathematics of buying and selling, simple and compound interest, business and consumer loans, depreciation. **This course is a certificate course and will not normally transfer into degree programmes.** **Prerequisite:** A grade of "C" or better in MAT 0010

### College Algebra I MAT 1105 3 FA/SP

Intended to provide exposure to a number of mathematical topics at college level for those students who do not wish a concentration in mathematics but who need to improve their competency in intermediate algebra. Such topics will include absolute values, domain and range of

functions, symmetry, graphs, horizontal and vertical translations and the study of roots of polynomials. **Prerequisite:** A grade of "C" or better in MAT 0015 **Successor:** MAT 1141, MAT 1152

### A Survey of Mathematics MAT 1107 3 FA/SP

An introductory course in mathematics covering topics in set theory, Venn Diagrams, logic, consumer mathematics, as well as other selected topics including, but not limited to finite mathematical systems and graph theory. **Prerequisite:** A grade of "C" or better in MAT 0015

### Finite Mathematics MAT 1131 3 FA/SP

Intended for business students needing to develop a facility with certain techniques to solve practical problems. Includes systems of linear equations and inequalities, optimisation, supply and demand analysis, linear programming, mix of constraints, matrix algebra, sinking funds, amortisation, future value of ordinary annuities. **Prerequisite:** A grade of "C" or better in MAT 0015 **Successor:** MAT 1132

### Business Calculus MAT 1132 3 FA/SP

Intended for business students using calculus as a tool with particular applications in management and economics. Includes exponential and logarithmic functions, elementary differential calculus, applications to maxima and minima, cost analysis, marginal propensity to consume and the multiplier, integral calculus, area between two curves, simple differential equations, optimisation of profit. **Prerequisite:** MAT 1131

### Pre-Calculus MAT 1141 3 FA/SP

A continuation of the study of topics in algebra, in addition to topics in trigonometry recommended for students of calculus, or those seeking a concentration in mathematics or science. Includes the study of exponential and logarithmic functions and equations, graphs of trigonometric functions, trigonometric equations, compound angles, sine and cosine formulae. **Prerequisite:** MAT 1105 or satisfactory performance on College Placement Test. **Successor:** MAT 1152

### Calculus I MAT 1152 3 FA/SP/SM

Intended as a theoretically-rich advanced approach to the fundamental concepts of calculus, particularly useful for students wishing to pursue further university-level work in this or related fields. Includes limits, continuity, differentiability, Rolle's Theorem, the Mean Value Theorem, Riemann sums, Fundamental Theorem of Calculus. **Prerequisite:** MAT 1141 **Successor:** MAT 2201

## Course Descriptions - Credit Courses

### Calculus II

**MAT 2201 3 SP/SM**

Intended as a continuation of MAT 1152 for students taking a concentration in science and/or mathematics. Includes inverse trigonometric and hyperbolic functions, techniques of integration, indeterminate forms, tests for convergence of series, Taylor series. **Prerequisite:** MAT 1152

**Successor:** MAT 2220

### Introduction to Mathematical Statistics

**MAT 2205 3**

This course is designed to cover general probability, Bayes' Theorem, discrete and continuous random variables, mean, variance and covariance of random variables, mathematical expectation, marginal and conditional probability distributions, hypothesis testing, sampling theory and Central Limit Theorem. **Prerequisite:** MAT 1152

### Linear Algebra

**MAT 2210 3 FA**

Intended to provide a comprehensive understanding of the theory and applications of matrices, particularly for the aspiring scientist and mathematician. Includes systems of linear equations, vector spaces, Gram-Schmidt process, linear transformations, matrices, determinants, eigenvalues and eigen-vectors, real quadratic forms. **Prerequisites:** MAT 1141 and MAT 1152

### Multivariable Calculus

**MAT 2220 3 SP**

Intended as a continuation of MAT 2201 for students taking a concentration in science and/or mathematics. Includes quadric surfaces, limits, continuity and differentiability of functions of several variables, directional derivatives, Lagrange multipliers, line integrals, double and triple integration, surface areas. **Prerequisite:** MAT 2201 **Recommended Preparation:** MAT 2210

### Statistics I

**MAT 2233 3 FA/SP**

Intended for students requiring a background in descriptive statistics and elementary sampling theory. Includes characteristics of frequency distributions, measures of central location and variability, probability and probability distributions, sampling theory and sampling distributions. Applications are taken from business, management, social science and science. **Prerequisite:** 15 credits at the 1100-level, three of which must be an 1100-level math course. **Successor:** MAT 2234

### Statistics II

**MAT 2234 3 FA/SP**

A continuation of MAT 2233 covering methods of statistical inference. Includes estimation, hypothesis testing, chi square, and analysis of variance, linear regression and correlation. Applications are taken from business, management, social science and natural science. **Prerequisite:** MAT 2233

### Elementary Differential Equations

**MAT 2240 3 SP**

Intended to provide exposure to the topics in the differential equations for the students who wish to obtain a concentration in mathematics or in the fields of science where a sound background in mathematics is required. Such topics include first order differential equations and their applications in biology, chemistry and social science, second order differential equations and their applications in mechanics and electronics, higher order equations, series solutions and matrix methods. **Prerequisite:** MAT 1152

## MOTOR VEHICLE TECHNOLOGY

### Ignition Systems

**MVT 1101 3 SP**

The following topics are contained in this module: Identify the basic ignition systems; Identify different distributor systems; Performing basic engine and ignition tests.

### Fuel/Exhaust Systems

**MVT 1102 3 SP**

The following topics are contained in this module: Identify the various types of fuels and fuel specifications; Testing and servicing the components of fuel systems; Air intake systems components and replace exhaust systems.

### Exhaust Emissions Systems

**MVT 1103 3 SP**

The following topics are contained in this module: Perform diagnostic testing and repair problems related to the positive crankcase ventilation system; Describe the operation of gas exhaust systems and catalytic converters; Perform test and repair components of spark control and idle speed control systems.

### Electrical Systems

**MVT 1104 3 FA**

The following topics are contained in this module: Testing and diagnosing of electrical systems; Identifying electrical principles; Diagnosing and testing electrical circuits.

### Battery/Charging Systems

**MVT 1105 3 FA**

The following topics are contained in this module: Perform diagnosis and service of batteries; Testing charging systems.

### Starting Systems

**MVT 1106 3 FA**

The following topics are contained in this module: Identify starter systems; Inspect testing and disassemble of starter systems; Perform repairs on starter systems.

### Braking Systems

**MVT 2107 3 FA**

The following topics are contained in this module: Perform diagnostic tests on braking systems; Investigate the operation of disc and drum brake systems.

## Course Descriptions - Credit Courses

### Hydraulic Brake Systems

**MVT 2108 3 FA**

The following topics are contained in this module: Perform repairs on hydraulic brake systems; Adjust hydraulic brake systems.

### Anti-Lock Brake Systems

**MVT 2109 3 FA**

The following topics are contained in this module: Perform diagnostic test and repairs on power assisted and anti-lock brake systems; Service anti-lock brake systems.

### Steering Systems

**MVT 2110 3 SP**

The following topics are contained in this module: Identify steering systems; Diagnose, test and repair steering systems.

### Power Steering Systems

**MVT 2111 3 SP**

The following topics are contained in this module: Perform test and service manual and power steering; Service power steering pump; Perform inspection on and repair of steering column.

### Suspension Systems

**MVT 2112 3 SP**

The following topics are contained in this module: Diagnose wheel alignment; Adjust and repair wheel alignments and perform wheel balance and implement the principles of the front and rear suspension systems.

## MUSIC

### Music Appreciation

**MSC 1103 3 FA/SP**

A historical survey of the development of western music and its composers from the medieval period to jazz. Emphasis is placed on how the elements of music change and develop throughout history. This course involves extensive listening and live concert attendance.

### Introduction to Music Theory

**MSC 1104 3**

An introduction to the basics of music theory with an emphasis on: scales, rhythms, time signatures, intervals and chords (with the use of aural skills). **Prerequisite:** At least Grade III Theory R.S.M. or "B" standing in Secondary school music, MSC 1103.

### Introduction to Harmony

**MSC 1105 3**

An introduction to four part harmony in the choral style and music analysis (with the use of aural skills). **Prerequisite:** MSC 1104

### Piano Skills I

**MSC 1204 3 FA/SP**

Group instruction and performance in the beginning level of piano skills and musicianship.

### Piano Skills II

**MSC 1205 3**

A continuation of Piano Skills I. **Prerequisite:** MSC 1204

### Special Themes and Topics in Music

**MSC 2298 3**

This course is designed to allow in-depth study of a subject previously studied, or an advanced subject not covered by other courses.

**Prerequisite:** Appropriate 1100-level courses and/or a 2200-level course relevant to the topic.

## NCCER CORE

### Basic Safety

**NCC 1101 1**

Complies with OSHA-10 training requirements. Explains the safety obligations of workers, supervisors, and managers to ensure a safe workplace. Discusses the causes and results of accidents and the impact of accident costs. Reviews the role of company policies and OSHA regulations. Introduces common job-site hazards and identifies proper protections. Defines safe work procedures, proper use of personal protective equipment, and working with hazardous chemicals. Identifies other potential construction hazards, including hazardous material exposures, welding and cutting hazards, and confined spaces.

### Mathematics

**NCC 1102 1**

Reviews basic mathematical functions such as adding, subtracting, dividing, and multiplying whole numbers, fractions and decimals, and explains their applications to the construction trades. Explains how to use and read various length measurement tools, including standard and metric rulers and tape measures, and the architect's and engineer's scales. Explains decimal-fraction conversions and the metric system, using practical examples. Also reviews basic geometry as applied to common shapes and forms.

### Hand Tools

**NCC 1103 1**

Introduces trainees to hand tools that are widely used in the construction industry, such as hammers, saws, levels, pullers, and clamps. Explains the specific applications of each tool and shows how to use them properly. Also discusses important safety and maintenance issues related to hand tools.

### Power Tools

**NCC 1104 1**

Provides detail descriptions of commonly used power tools, such as drills, saws, grinders, and sanders. Reviews applications, proper use, safety, and maintenance. Many illustrations show power tools used in on-the-job settings.

### Introduction to Construction Drawings

**NCC 1105 1**

Familiarises trainees with basic terms for construction drawings, components, and symbols. Explains the different types of drawings

## Course Descriptions - Credit Courses

(civil, architectural, structural, mechanical, plumbing/piping, electrical, and fire protection) and instructs trainees on how to interpret and use drawing dimensions. Four oversized drawings are included.

### Basic Communication Skills

**NCC 1107 1**

Provides trainees with techniques for communicating effectively with co-workers and supervisors. Includes practical examples that emphasise the importance of verbal and written information and instructions on the job. Also discusses effective telephone and e-mail communication skills.

### Employability Skills

**NCC 1108 1**

Identifies the roles of individuals and companies in the construction industry. Introduces trainees to critical thinking and problem solving skills and computer systems and their industry applications. Also reviews effective relationship skills, effective self-presentation and key workplace issues such as sexual harassment, stress and substance abuse.

### Introduction to Materials Handling

**NCC 1109 1**

Recognises hazards associated with materials handling and explains proper materials handling techniques and procedures. Also introduces materials handling equipment and identifies appropriate equipment for common job-site tasks.

### Introduction to Construction Technology and Trades/Technology Job Skills

**NCC 1110 5 FA**

This course will provide students with an appreciation for modern technology, trades and engineering. Topics covered will be basic safety, hand and power tools, employability skills, and materials handling. Also an introduction to technical skills required for the various technical occupations/trades with an introduction to plumbing, HVAC, automotive and electrical systems.

## NURSING

### Introduction to Professional Nursing

**NUR 1101 2 SM**

This introductory nursing course examines the realms of the nursing profession. Topics to be explored cover the history of nursing, nursing leaders, healthcare delivery, ethics, legal issues, health and wellness, medical terminology, math for medications, test taking strategies, culture and ethnicity, spirituality, and the nursing process. After completion of this course the student will be prepared to progress into NUR 1150. **Prerequisites:** A programme GPA of 2.67 or higher, BIO 1121, BIO 1122, CSC 1110, CIS 1120, ENG 1111, ENG 1112, MAT 1100-level or higher, and PSY 1101

### Nursing Fundamentals

**NUR 1150 8 FA**

Students will acquire fundamental psychomotor, critical thinking and communication skills through student participation in classroom, skills lab, and clinical activities. Students learn basic assessment skills and nursing procedures utilising values and ethics necessary for practice, focusing on gerontological nursing care. **Prerequisites:** A programme GPA of 2.67 or higher and a grade of "B-" or better in NUR 1101

### Psychiatric Nursing

**NUR 2200 5 SP**

This course introduces concepts of nursing care for patients throughout the life span with maladaptive psychosocial and physiological responses related to mental disorders. Development of communication skills, self-awareness and the therapeutic use of self in selected clinical settings is integrated throughout the course. **Prerequisites:** A grade of "B-" or better in NUR 1150 **Corequisites:** NUR 2201 and NUR 2235

### Medical Surgical Nursing

**NUR 2201 7 SP**

Students in Nursing 2201 will learn nursing care of individuals with common disease processes. The clinical experience allows students to further develop psychomotor skills such as health assessment and use critical thinking and communication skills to develop a nursing diagnosis on a stable medical or surgical patient. **Prerequisites:** A grade of "B-" or better in NUR 1150 **Corequisites:** NUR 2200 and NUR 2235

### Pharmacology

**NUR 2235 2 SM**

This course provides the foundation for understanding the role of drug action, drug absorption, bioavailability, distribution, metabolism and excretion in nursing interventions. Application of pharmacologic principles in relation to nursing practice is integrated throughout this course. **Prerequisites:** A grade of "B-" or better in NUR 1150

### Family Health Nursing

**NUR 2240 5 FA**

The course introduces the student to management of complex health issues applied to clients across the lifespan. Focus is on family education, cultural competency and sensitivity to values and ethical concerns of the child-bearing family. Students will be introduced to care of the client pre- and post-delivery with an increased focus on family-centred care. In the clinical setting, students demonstrate an ability to apply the nursing process to the care of individuals and families. Skill development reflects psychomotor, cognitive and affective domains of learning necessary for critical thinking, therapeutic communication, teaching and learning, with an introduction to leadership. In this course, students are introduced to the practice of nursing in the home and community-based settings. **Prerequisites:** A grade of "B-" or better in NUR 2200, NUR 2201 and NUR 2235. **Corequisite:** NUR 2250



## Course Descriptions - Credit Courses

### Adult Health

**NUR 2250 5 FA**

This course focuses on the etiologic, symptomatologic and pathologic aspects of selected human diseases across the life span. Concepts of health promotion, disease prevention, disease progression, and treatment are approached from a cellular and multisystem perspective. Influences of genetic, ethnic, and cultural variables on human diseases is analysed. Application and analysis of the therapeutic management of complex health issues are applied to clients across the lifespan. Focus is on family education, cultural competency and sensitivity to values and ethical concerns. 2 credit hours of classroom and 2 credit hours of clinical (90 hours of clinical per semester) are required. **Prerequisites:** A grade of "B-" or better in NUR 2200, NUR 2201 and NUR 2235. **Corequisite:** NUR 2240

### Adult Health Practicum

**NUR 2251 8 SP**

This is the capstone course of the ADN entry level nursing programme. Students in this course examine health issues that are complex and encompass multiple systems. Information presented will be synthesised with knowledge gained in previous courses, specifically pathophysiology, pharmacology, and medical-surgical nursing. In the clinical setting, students will demonstrate the ability to apply the nursing process to the care of individuals with complex needs. Current evidence-based research and implications will be incorporated throughout the course. **Prerequisite:** A grade of "B-" or better is required to pass this course.

## PHILOSOPHY

### Introduction to Philosophy

**PHL 1104 3 FA/SP**

This course addresses the questions, "What is Human?", "How does humanity differ from other animals?", "Are we truly free?", "What are our responsibilities and ethical obligations", or "Where do these obligations come from?" Answers to these questions are pursued through a historical and contemporary study of ethics, identity, the mind-body problem, or free will and determinism.

**Prerequisite:** A grade of "C" or better in ENG 0012

### Medical Ethics

**PHL 2210 3 SP**

This course will provide an introduction to ethical principles that increase awareness and provide skills to comprehend and manage ethical dilemmas in healthcare. When values and beliefs differ this can lead to conflict and poor health outcomes. The learner will examine moral principles that regulate standards and codes of conduct which guide decisions and the behaviours of healthcare professionals. Analysis and reflection on concepts of ethics, human rights and social issues, related to healthcare, are essential to promote clinical competence and sensitivity to the needs of the healthcare consumer. **Prerequisite:** ENG 1112

## PHYSICS

### Preparatory Physics

**PHY 0013 0 SP**

A basic introduction to the fundamental principles of physics. Topics include: Measurement and units; Force; Work and energy; Molecular motion and heat, waves and electrical energy; The development of problem solving skills. Laboratory. A grade of "C" or better will be required to advance to the 1000 level courses. **Prerequisite:** MAT 0014

### Principles of Physics I

**PHY 1121 4 FA**

A course in fundamental principles and applications of physics, introducing the basic concepts and principles of mechanics and thermodynamics. Topics include: Equations of motion; Newton's Laws of motion; Transnational and rotational equilibrium; Work; Energy; Momentum; Heat, Kinetic gas theory; The gas laws. Suitable for students intending to pursue other scientific studies or wishing to specialise in physics and its related technologies. Laboratory. **Prerequisite:** A grade of "C" or better in PHY 0013. **Corequisite:** MAT 1141

### Principles of Physics II

**PHY 1122 4 SP**

A continuation of PHY 1121. Topics include: Vibration and waves; Sound; Electricity and magnetism; Light and optics and Modern physics. Laboratory. **Prerequisite:** PHY 1121

### Special Topics in Physics

**PHY 2298 3**

Provides an opportunity for in-depth study at the 2200-level of a topic available as a special offering. This may be material that has been initially explored at the 1100-level or new material for whose development and exploration there has been provided an appropriate base via a 1100-level course. **Prerequisite:** Appropriate 1100-level courses and/or a 2200-level course relevant to the topic.

## PLUMBING

### Introduction to the Plumbing Profession, Safety and Tools

**PLM 1101 4 FA**

This module reviews the basic plumbing tools used to measure, lay out, cut, drill, bore, and ream. Trainees will learn how to safely use, properly care for, and maintain plumbing tools.

### Plastic Pipe, Copper, Cast Iron, Steel Pipe and Fittings

**PLM 1102 2 FA**

Introduces trainees to the different types of plastic pipe and fittings used in plumbing applications, including ABS, PVC, CPVC.



## Course Descriptions - Credit Courses

### **Fixtures and Faucets, Drain, Waste and Vent Systems, Water Distribution Systems** **PLM 1103 2 FA**

Explains how DWV systems remove waste safely and effectively. Discusses how system components, such as pipe, drains, traps and vents work.

### **Commercial Drawings, Hangers and Supports, Installing DWV Piping** **PLM 1104 4 SP**

Introduces trainees to methods for attaching and running DWV and water supply piping in relation to structural elements, including pipe hangers and supports.

### **Types of Valves, Installing Water Supply Piping, Installing Fixtures and Faucets** **PLM 1105 3 SP**

Covers the installation of basic plumbing fixtures, including bathtubs, shower stalls, lavatories, sinks, toilets, and urinals. Also reviews the installation of valves and faucets.

### **Installing Water Heaters, Servicing Fixtures, Valves and Faucets** **PLM 1106 3 SP**

Covers the troubleshooting and repair of fixtures, valves, and faucets in accordance with code and safety guidelines.

### **Sizing Water Supply Piping, Potable Water Treatment** **PLM 2107 3 FA**

Explains how to disinfect, filter, and soften water supply systems. Discusses how to troubleshoot water supply problems, flush out visible contaminants from a plumbing system, and disinfect a potable water plumbing system.

### **Backflow Preventers, Types of Venting, Sizing DWV Systems** **PLM 2108 4 FA**

Reviews the different types of vents that can be installed in a DWV System and how they work. Also teaches design and installation techniques.

### **Sewage Pumps, Compressed Air** **PLM 2109 2 FA**

Explains the installation, diagnosis, and repair of pumps and controls in a water system.

### **Business Principles for Plumbers, Water Pressure Systems** **PLM 2110 3 SP**

Introduces trainees to concepts and practices that are essential for competitive, successful plumbing businesses. Covers basic business accounting and project estimating.

### **Codes, Private Water Supply Well Systems** **PLM 2111 3 SP**

Explains the operation of pumps and well components. Reviews the qualities of good wells and how to assemble and disassemble pumps and components.

### **Swimming Pools and Hot Tubs, Plumbing for Mobile Homes** **PLM 2112 2 SP**

Introduces trainees to plumbing systems in swimming pools, hot tubs, and spas. Trainees will learn how to install and troubleshoot water supply systems and drains.

## **POLITICAL SCIENCE**

### **Introduction to Political Science Structures** **POL 1101 3 FA**

An introduction to the major political ideologies and forms of government. The course examines the meaning of politics, the role of political language, liberalism, Marxism, as well as liberal democratic and authoritarian governments. Numerous country case studies, including Bermuda, will be used for illustrative purposes. **Prerequisite:** A grade of "C" or better in ENG 0012

## **PSYCHOLOGY**

### **Introduction to Psychology I** **PSY 1101 3 FA**

A survey of the conceptual approaches in psychology: biological bases of behaviour, perception, consciousness (sleep, dreams, hypnosis, meditation), learning, language, basic drives (hunger, thirst, sex), motivation, emotion and intelligence. **Prerequisite:** A grade of "C" or better in ENG 0012

### **Introduction to Psychology II** **PSY 1102 3 SP**

A survey of the basic areas of specialty and practice within the field of psychology, including human sexuality, problem solving, social psychology, human development, personality, abnormal behaviour and clinical practice. **Prerequisite:** PSY 1101

### **Introduction to Social Psychology** **PSY 2210 3 FA**

An examination of human behaviour covering such topics as conformity, altruism, impression formation, aggression, prejudice, love and attraction attitudes, and organisational behaviour. Emphasis is placed on understanding the connection between sociological and psychological determinants of normal and abnormal behaviour.

**Prerequisites:** PSY 1101 and PSY 1102

## Course Descriptions - Credit Courses

### Abnormal Psychology

PSY 2220 3 SP

An evaluation of abnormal behaviour, including the core concepts of the differing psychopathology: neuroses, psychoses and social disorders. Different approaches to treatment are described.

**Prerequisites:** PSY 1101 and PSY 1102

### Human Development

PSY 2240 3 SP

An analysis of the principles of human development from conception to death. Basic biological processes that shape development including conception and heredity are described. The development of the infant as a social, cognitive and physical being is traced through childhood, adolescence and into adulthood and older adulthood.

**Prerequisites:** PSY 1101 and PSY 1102

### Learning Theory

PSY 2270 3 FA

An examination of developmental issues influencing learning, including cognitive, personal, moral, physiological, and neuro-physiological. Specific learning theories covered include classical and operant conditioning, cognitive theories, and social learning theories.

**Prerequisites:** PSY 1101 and PSY 1102

### Educational Psychology

PSY 2272 3 SP

The application of both learning and educational psychology theories to teaching strategies, classroom organisation and curriculum design. Instructional planning, teaching styles and classroom dynamics are also examined. **Prerequisite:** PSY 2270

### Special Topics in Psychology

PSY 2298 3

Designed to allow students an opportunity either for in-depth inquiry into a topic covered in another 2200-level course or for the study of a special topic or theme in psychology. The course is offered periodically depending upon student interest. **Prerequisite:** Appropriate 1100-level courses and/or a 2200-level course relevant to the topic.

## RELIGIOUS STUDIES

### Introduction to Religious Studies I

REL 1101 3 SP

A comparative study of religious traditions from all over the world, past and present. Explores religion with thematic topics such as nature conservation; varieties of religious experience; the paranormal; and human sexuality. The goal is to build bridges between humanity by understanding our shared community with the sacred aspects of existence. **Prerequisite:** A grade of "C" or better in ENG 0012

### Introduction to Religious Studies II

REL 1102 3 FA

A comparative study of the dominant monotheistic religions from the Middle East: Judaism, Christianity and Islam. From early doctrinal development in ancient precursors, (e.g. Zoroastrianism), to modern day politics and ethnic conflicts, this course will examine critically the history and global impact of Abrahamic monotheism. **Prerequisite:** A grade of "C" or better in ENG 0012

## SOCIAL SCIENCE

### Research Methods in the Social Sciences I

SSC 2200 3 SP

An introduction to scientific methods as they are applied to the social sciences. The research process, including formulation of research problems and hypotheses; selection of appropriate research designs and instruments; developing questionnaires; interviewing; and observation techniques are presented and discussed. **Prerequisite:** 6 credits in approved 1100-level courses in Social Sciences.

## SOCIAL WORK

### Introduction to Social Work

SOW 1151 3

Designed for students wishing to explore interest in and capacity providing a comprehensive overview of the ways that social workers respond to a wide range of societal problems, as well as the agencies that administer the services to those in need. This course emphasises students own interests and abilities in relation to social work values, their capacity to interact in a caring and non-judgmental manner with others who have diverse lifestyles and different socio-economic backgrounds, and the ability to critically examine major social problems and issues.

**Prerequisite:** A grade of "C" or better in ENG 0012

## SOCIOLOGY

### Introduction to Sociology I

SOC 1101 3 FA

An introduction to the study of human society from the sociological perspective. Emphasises the nature and meaning of society, culture, status and role, socialisation and personality, deviance, and social stratification.

**Prerequisite:** A grade of "C" or better in ENG 0012

### Introduction to Sociology II

SOC 1102 3 FA/SP

An introduction to the study of human society from the sociological perspective. Emphasises the nature and meaning of social institutions (the family, religion, education, and economy and politics), formal and

## Course Descriptions - Credit Courses

informal organisations, and social change. **Prerequisite:** A grade of “C” or better in ENG 0012. SOC 1101 is strongly recommended.

### **Social Inequality** **SOC 2220 3 FA**

An examination of the origins and nature of the principal types of social inequality including sex, caste, class and race. Deals particularly with studies of status in modern industrial societies and in Bermuda.

**Prerequisites:** SOC 1101 and SOC 1102

### **Sociology of Marriage and the Family** **SOC 2251 3 SP**

A sociological study of marriage and family life: Demographic trends in marriage; Child bearing; Divorce; Theories of mate selection; Marital interaction and marital dissolution; Relationship of unmarried couples; Alternative marriage forms; Abortions; Violence in the family.

**Prerequisite:** SOC 1101 and SOC 1102, or PSY 1102

### **Sociology of Deviant Behaviour** **SOC 2280 3**

An examination of the nature of deviance and its sociological explanations through analysis of selected topics such as mental illness, violence, sexual deviance and drug abuse. Also examined are social responses to deviance including stigmatisation, treatment and social control.

**Prerequisites:** SOC 1101 and SOC 1102

### **Sociology of Crime and Delinquency** **SOC 2290 3**

A historical overview of criminological theory presenting biological, psychological, sociological, cultural, political and bisocial theories of the causes of crime and delinquency. Deviance theory, social disorganisation, labelling and delinquency sub-cultural analysis are examined and the works of major theorists are critically explored. **Prerequisites:** SOC 1101 and SOC 1102

### **Sociology of Punishment and Correction** **SOC 2291 3**

An overview of the sociological literature on punishment and correction through which the enforcement of criminal justice is examined. The areas for consideration include the performance of the police and the courts; the effectiveness of the correctional system, including the unintended consequences of imprisonment; and the results of probation, parole, and correctional experiences in the United States and Britain.

**Prerequisites:** SOC 1101 and SOC 1102. SOC 2290 is recommended.

### **Special Topics in Sociology** **SOC 2298 3**

Designed to allow students an opportunity either for in-depth inquiry into a topic covered in another 2200-level course or for the study of a special topic or theme in sociology. The course is offered periodically depending upon student interest. **Prerequisite:** Appropriate 1100-level courses and/or a 2200-level course relevant to the topic.

## SPANISH

### **Beginners Spanish I** **SPA 1101 3 FA/SP**

This course is a foundational course designed for students who have little or no Spanish-speaking skills previously, for students who have minimal knowledge of basic concepts of the language, or for students who have formerly studied Spanish, but who have a three-year or more gap in their schooling experience, or for those who desire a basic refresher course and re-introduction to the Spanish language. Course content will include vocabulary building, reading, speaking, writing with an emphasis on building basic writing skills and audio-lingual development.

### **Beginners Spanish II** **SPA 1102 3 FA/SP**

This course is a continuation of Beginners Spanish 1 (SPA 1101). It is designed for students who have had at least two years of Spanish at the secondary school level without any gaps in their Spanish educational experience, or for students who are competent in the basic linguistic skills and who can minimally converse in Spanish, but who desire increased competency in the fundamentals of the language. The course is designed to build on the basics of the language and aims to increase audio-lingual development through vocabulary building, reading, speaking, and writing to prepare students for the intermediate level. **Prerequisite:** SPA 1101

### **Spanish for Healthcare Professionals** **SPA 1103 2**

This foundational course is designed for students in diverse fields of healthcare who have had little or no Spanish previously and who desire effective communication with Spanish speaking populations on matters of health. Students will develop a working knowledge of career-specific terminologies, expressions and practices uniquely applicable to healthcare settings. Students will also gain an appreciation of Hispanic culture to strengthen real-life connections.

### **Business Spanish & Intercultural Communication** **SPA 2200 3**

Spanish is an essential commercial language locally and internationally. This course will assist you to develop Spanish business communication and intercultural skills preparing you for the global marketplace including over 570 million Spanish speakers. Expand your abilities in communicating with professionals across the Hispanic world and the USA through several real-life business scenarios. Focus on productive written and oral activities, international business tasks, intercultural competence, and managerial language. **Prerequisite:** SPA 1102 or permission from the lecturer.

## Course Descriptions - Credit Courses

### Intermediate Spanish I

**SPA 2201 3 FA**

This course focuses on intermediate-level Spanish and is designed for students who have studied Spanish for a minimum of three years at the senior school level or for students who have a command of the basics of the language and who desire to strengthen their reading, writing and audio lingual skills. Students will learn more complex verb forms and idiomatic expressions to develop greater linguistic fluency and will strengthen their skills through the study of authentic text. **Prerequisite:** SPA 1102, or at least three (3) consecutive years in senior school Spanish.

### Intermediate Spanish 2

**SPA 2202 3 SP**

This course is a continuation of SPA 2201 and is designed for students who have strong audio lingual and written competencies and wish to strengthen their linguistic skills. Increased attention will be placed on reading, writing and oral communication. Students will have greater cultural exposure and will continue to develop proficiency and fluency. **Prerequisite:** SPA 2201

### Spanish & Hispanic Literature and Culture

**SPA 2213 3**

This course introduces a variety of authors and literary genres in Spanish from different periods. Explore, discuss, and travel through reading diverse literature from Spanish-speaking countries such as Spain, Mexico, Colombia, Peru, Cuba, Puerto Rico, and Hispanic communities in USA. Apply cultural history to current events via interactive tasks, print, and digital literature. **Prerequisite:** SPA 2201 or permission from the lecturer.

### Conversational Spanish

**SPA 2222 3**

This course is designed to give students linguistic competencies for everyday situations. Students will further develop audio-lingual, listening and writing skills and vocabulary for life settings. **Prerequisite:** SPA 2201

## TECHNICAL COURSES

### Introduction to Computer Aided Technical Drawing

**TEC 1000 3 FA**

An introduction to computer aided drafting software applications, two dimensional and three dimensional drawing. Students will develop two and three dimensional drafting design techniques, using CAD software for creating designing and printing, various designs, shapes, parts and functional objects. **Prerequisite:** TMM 1001

### Introduction to Programming for Technicians

**TEC 1002 3 SP**

This introductory programming course will provide students with basic computing problem solving skills using the Python programming language. Students will develop, compile, debug, and execute

programmes while learning basic programming terminology and concepts such as procedure definition, algorithms, functions, conditional statements, and object-oriented programming concepts.

**Prerequisites:** TMM 1001 and TSM 1101

### Introduction to Electricity and Electronics

**TEC 1004 3 SP**

This course will provide students with a practical overview of electrical and electronic systems and its use in modern technology, some of the topics to be covered are direct current systems, alternating current systems, semiconductors and digital systems.

**Prerequisites:** TMM 1001 and TSM 1101

### Introduction to Materials and Mechanics

**TEC 1006 3 SP**

This course will provide students with a practical overview of the various classifications of materials, basic mechanical devices and the practical use in mechanical technology systems. Some topics include properties of materials, material safety data sheet, basic fabrication techniques, basic mechanical principles, simple machines, pulleys, gears and pneumatic and hydraulic systems.

### Introduction to Engineering and Design

**TEC 1010 3 FA**

This is an introductory course to engineering technology that provides students with an appreciation of the various engineering disciplines, problem-solving and technical design processes. Students will develop practical solutions to real world problems. **Prerequisite:** TEC 1000

### Capstone Project for Technology and Trades

**TEC 1020 3 SP**

In preparation for future academic and career goals, in this course students will complete their portfolio started in college skills course CSC 1110. Also students will develop a practical project that solves a real world problem through application of their developed technical skills.

**Prerequisite:** Must be in last semester of CT-TECH programme.

### Underwater Robotics

**TEC 1135 3**

This course offered in conjunction with the annual Bermuda Institute of Ocean Sciences (BIOS) remotely operated vehicle (ROV) challenge, will explore the design of underwater vehicles as students develop their science technology, engineering, math, and business skills. **Corequisites:** TEC 1004 and TEC 1006

### Special Topics in Applied Technology

**TEC 2098 3**

Designed to allow students an opportunity for an in-depth inquiry into a topic covered in another 2200-level course or the study of a special topic or emerging technology. The course is offered periodically depending upon student interest. **Prerequisites:** Appropriate 1000-level and/or 2000-level course relevant to the topic.

## Course Descriptions - Credit Courses

### TECHNICAL MATHEMATICS

#### Technical Math I

**TMM 1001 3 FA**

This course will provide students with a practical application of mathematical skills as it relates to technology. Some of the topics to be studied are a review of basic math skills, measurements and units, algebra essentials, Cartesian coordinates, systems of equations, plane and solid geometry, trigonometry, vectors, binary and hexadecimal numbers, and Boolean algebra. **Prerequisite:** NCC 1102 or IGCSE Math (Core).

#### Technical Math II

**TMM 1002 3 SP**

This course is a continuation of TMM 1001 where students further explore practical math concepts. Some of the topics include exponential functions, statistical methods, complex numbers, analytic geometry, higher degree equations, systems of equation and inequalities, matrices, sequences and trigonometric formulas. **Prerequisite:** TMM 1001

### TECHNICAL SCIENCE

#### Technical Science I

**TSM 1101 4 FA**

This module is an introduction to applied science skills for the technical trades. It applies the principles of: Basic botany; Force and motion; Simple machines; Thermodynamics and electricity and magnetism.

#### Technical Science II

**TSM 1102 4 SP**

The following skills are contained in this module: Coplanar forces; Distance; Time; Velocity and acceleration; Mechanical energy and power; Heat and temperature. **Prerequisite:** A grade of "C" or better in TSM 1101

#### Introduction to Aquaponics

**TSM 1103 3**

In this course students will explore basic aquaponics systems, plant science, nutrition, physiology and care; nutrient and pH testing, nitrification, denitrification, fish anatomy and nutrition as well as high-tech agriculture.

### WELDING TECHNOLOGY

#### Introduction to Welding

**WLD 1101 3**

A module that provides the basic understanding of welding operations and processes.

#### Sheet Metal ARC 1

**WLD 1102 8**

A module that provides the basic understanding of metal and the knowledge of joining metal together.

#### Sheet Metal ARC 2

**WLD 1103 8**

A module that provides the understanding of how to work with thicker metal.

#### Sheet Metal ARC 3

**WLD 1104 6**

A module that provides the processes of welding pipes and heavier metals.

#### Welding Symbols and Detail Drawings

**WLD 2105 6**

A module that provides the necessary understanding of the basic symbols and detail drawings.

#### Air Carbon and Plasma Arc Cutting

**WLD 2106 1**

A module that provides the proper techniques and operations of the plasma cutting.

#### GMAC AND FCAW

**WLD 2107 6**

A module that introduces the techniques of gas metal arc welding and flux-core arc welding.

#### GTAW Equipment Filler Materials & Plate

**WLD 2108 1**

A module that provides the basic introductory specific techniques for gas tungsten arc welding.

#### Aluminium Plate

**WLD 2109 3**

A module that provides the information to identify the main characteristics of aluminium.

#### Physical Heat Treatment & Metals

**WLD 3110 1**

A module that introduces the technique to effectively heat different metals.

#### Gas Metal ARC Weld Pipe

**WLD 3111 4**

A module that provides another method of gas metal arc welding for pipe.

#### Flux-Cored ARC Welding

**WLD 3112 4**

A module that provides the technique of arc welding involving flux to weld pipe.

#### Gas Tungsten ARC Welding

**WLD 3113 4**

A module that uses the techniques of joining pipes using the tungsten arc welder.

#### Gas Tungsten ARC Welding Low Alloy Metals

**WLD 3114 4**

A module that introduces the more advanced techniques to join low alloy metals and stainless steel.



## Course Descriptions - Credit Courses

### WOOD TECHNOLOGY

#### **Orientation, Materials, Fasteners, Hand & Power Tools**

**WTC 1101 1**

The following topics are contained in this module: Studying history of the trade; Identifying different materials and fasteners; Operating tools safely.

#### **Floor, Wall, Ceiling and Roof Framing**

**WTC 1102 4**

The following topics are contained in this module: Laying out and constructing a wood floor; Framing walls and ceilings; Describing various kinds of roofs; Building gable and hip roofs.

#### **Windows and Exterior Doors**

**WTC 1103 4**

The following topics are contained in this module: Recognising various types of windows; Skylights and exterior doors; Installing windows and exterior doors; Fitting locksets and weather-stripping.

#### **Drawings; Cold Steel Framing; Exterior Framing and Roof Applications**

**WTC 1104 4**

The following topics are contained in this module: Learning types and installation procedures of several sidings; Roofing materials; Insulation and waterproofing materials.

#### **Drywall Installation; Drywall Finishing; Suspended Ceilings**

**WTC 1105 4**

The following topics are contained in this module: Selecting and installing metal framing; Installing drywall on walls and ceilings; Patching and finish gypsum drywall; Laying out and installing suspended ceilings.

#### **Doors & Hardware; Windows, Door-ceiling Trims; Cabinets**

**WTC 1106 4**

The following topics are contained in this module: Constructing wood stairs; Installing wooden doors; Fitting base and wall cabinets; Installing interior trim.

#### **Properties of Concrete, Reinforcing, Handling and Placing Concrete**

**WTC 2107 3**

The following topics are contained in this module: Identifying materials that form different types of concrete; Constructing basic footing and edge forms; Cutting, bending and tie reinforcing steel; Safety procedures for handling concrete.

#### **Rigging Equipment, Rigging Practices; Trenching and Excavating**

**WTC 2108 3**

The following topics are contained in this module: Performing site layout tasks of distance measuring and differential leveling; Understanding on-site communications.

#### **Foundations and On Grade Slabs, Vertical and Horizontal Formwork**

**WTC 2109 3**

The following topics are contained in this module: Constructing job-built forms; Identifying various manufacturers forms; Studying history; Procedure for erecting tilt-up wall panels.

#### **Advanced Roof, Floor and Wall Systems**

**WTC 2110 4**

The following topics are contained in this module: Learning procedure for installing commercial roofing materials; Installing hardwood floors; Erecting movable wall panels.

#### **Introduction to Light Equipment, Welding and Metal Buildings**

**WTC 2111 1**

The following topics are contained in this module: Recognising various light construction equipment; Understanding safety practices with welding equipment; Learning components of a metal building.

#### **Site Layout II: Angular Measurement, Advanced Stair Systems & Introduction to Project Management & Supervision**

**WTC 2112 3**

The following topics are contained in this module: Using geometry and right angle trigonometry to perform calculations related to angular measurements; Identifying techniques to finish wooden staircases; Learning project planning; Scheduling estimating and management.



**MANY PATHS.  
DISCOVER YOURS.**

# ATHORA DIVISION OF PROFESSIONAL AND CAREER EDUCATION (APACE)

The Bermuda College Professional Designation and Professional Development Programmes provide Bermuda's workforce with access to training and qualifications to national and international standards.

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## EXTERNAL CERTIFICATES & PROFESSIONAL DESIGNATIONS

### ACCOUNTING

#### ASSOCIATION OF CHARTERED CERTIFIED ACCOUNTANTS ACCA

##### Foundations in Accountancy

ACCA's Foundations in Accountancy is an entry-level suite of awards, including certificates and diplomas. It contains the following qualifications:

- Diploma in Financial and Management Accounting (RFQ Level 2)
- Diploma in Financial and Management Accounting (RFQ Level 3)
- Diploma in Accounting and Business (RFQ Level 4)

Foundations in Accountancy provides flexible entry points with certification awarded at each level and gives students the flexibility to progress onto the ACCA qualification after completion of the Diploma in Accounting and Business RFQ Level 4.

High school graduates, mature students and working professionals without formal academic qualification can undertake any level\* within Foundations in Accountancy.

*Students will be assessed to assist in determining the most appropriate level at which they should start. Additionally, ACCA has developed optional self-check modules in English and math to aid prospective students in gauging their general level of ability in English and math. These self-check modules are optional to complete, free of charge and can be accessed from the ACCA website [www.accaglobal.com](http://www.accaglobal.com)*

##### Diploma in Financial and Management Accounting (RFQ Level 2)

This diploma is suitable for anyone looking to do an introductory qualification in accounting and finance. This includes senior high school leavers, people already working in accounts support roles as well as current high school students enrolled in a business class. Previous academic qualifications are not required.

##### CURRICULUM

- FA1 TDS ACCA10 Recording Financial Transactions
- MA1 TDS ACCA12 Management Information
- Foundations in Professionalism\*

\* Foundations in Professionalism is an online ethics module.

##### ACCA Diploma in Financial and Management Accounting (RFQ Level 3)

This certificate is suitable for anyone looking to do an introductory qualification in accounting and finance. This includes school leavers or those already working in accounts support roles. No previous academic qualifications are required to study for this qualification. However, you may wish to complete ACCA's Diploma in Financial and Management Accounting RFQ Level 2, before attempting the intermediate certificate.

##### CURRICULUM

- FA2 TDS ACCA20 Maintaining Financial Records
- MA2 TDS ACCA22 Managing Costs and Finance
- Foundations in Professionalism\*\*

##### EXEMPTION:

\*\* This is not required if one has already completed this module to gain the Introductory Diploma in Financial and Management Accounting.

##### Diploma in Accounting and Business (RFQ Level 4)

This diploma is suitable for anyone looking to do an introductory qualification in accounting and finance. The ability level is broadly equivalent to the first year of a degree programme. If one does not possess previous academic qualifications, it is suggested that they complete the ACCA's Introductory Diploma RFQ Level 2 and/or the Intermediate Diploma RFQ Level 3 in Financial and Management Accounting, before attempting the diploma RFQ Level 4. This diploma represents the first three exams of the ACCA Qualification.

##### CURRICULUM

- FAB TDS ACCA30 Accounting in Business
- FMA TDS ACCA32 Management Accounting
- FFA TDS ACCA34 Financial Accounting
- Foundations in Professionalism\*\*\*

##### EXEMPTION:

\*\*\*This is not required if one has already completed this module.

##### ACCA Qualification

ACCA is one option if one wants to work in the accounting profession. If one does not have the minimum qualifications of a bachelor's degree, one should register for one or more of the introductory level qualifications (see *Foundations in Accountancy on this page*). Students study for the ACCA Qualification after they have completed the Diploma in Accounting and Business RFQ Level 4, but one may wish to complete Diploma in Financial and Management Accounting RFQ Level 2 and/or Diploma in Financial and Management Accounting RFQ Level 3, before attempting RFQ Level 4.

## CURRICULUM<sup>†</sup>

### Fundamentals Papers

- FAB TDS ACCA30 Accountant in Business
- FMA TDS ACCA32 Management Accounting
- FFA TDS ACCA34 Financial Accounting
- LW TDS ACCA38 Corporate and Business Law
- PM TDS ACCA40 Performance Management
- TX TDS ACCA42 Taxation
- FR TDS ACCA44 Financial Reporting
- AA TDS ACCA46 Audit and Assurance
- FM TDS ACCA48 Financial Management (F9)

### Professional Papers

- Governance, Risk and Ethics (P1)
- Corporate Reporting (P2)
- Business Analysis (P3)
- Advanced Financial Management (P4)
- Advanced Performance Management (P5)
- Advanced Taxation (P6)
- Advanced Audit and Assurance (P7)

<sup>†</sup>Individuals with Accounting or Business degrees may be eligible for exemptions. Visit [www.accaglobal.com](http://www.accaglobal.com) for exemption details.

## COMPLIANCE

### ASSOCIATION OF CERTIFIED ANTI-MONEY LAUNDERING SPECIALISTS (ACAMS)

The Association of Certified Anti-Money Laundering Specialists (ACAMS) is an organisation that provides training and certification, runs conferences and disseminates information on detection and prevention of money laundering. CAMS (Certified Anti-Money Laundering Specialist) is the global gold standard in AML certifications, with more than 40,000 CAMS graduates worldwide. ACAMS offers self-study and enhanced learning packages to get you qualified in as little as three months. CAMS is currently available in 12 languages.

#### CAMS Prep - Designation Exam Review Course TDS CAMS1

The Certified Anti-Money Laundering Specialist (CAMS) designation denotes a superior level of understanding of international AML/CTF principles. Passing the CAMS Examination distinguishes you as an AML/CTF authority and helps mitigate institutional financial crime risks. Internationally renowned and accepted world governments acknowledge the CAMS Certification as the gold standard in AML/CTF compliance.

Full details can be found on:

[www.college.bm/pace/pacedesignations/compliance-certification-programmes](http://www.college.bm/pace/pacedesignations/compliance-certification-programmes)

### INTERNATIONAL COMPLIANCE ASSOCIATION (ICA)

ICA is the leading professional body for the global regulatory and financial crime compliance community. Qualifications from the ICA help compliance professionals develop relevant knowledge and best practice for operating within the fields of governance, risk and compliance, financial crime prevention and anti-money laundering (AML). ICA offers an internationally recognised portfolio of professional qualifications awarded in association with Alliance Manchester Business School, The University of Manchester.

### SPECIALIST CERTIFICATES

**Demystifying Cryptocurrencies** TDS ICA 40  
Length - 1 month. Assessment type - End of course quiz

**Investigations Using Digital Forensics** TDS ICA 42  
Length - 1 month. Assessment type - End of course quiz

### ANTI-MONEY LAUNDERING TRACK

**Topics Include:** Understanding Money Laundering, Terrorist Financing and Sanctions; Vulnerabilities of Financial Institutions to Money Laundering and Terrorist Financing; Money Laundering and Terrorist Financing Vulnerabilities of Financial Services; Emerging Technologies and New Payment Methods; Anti-Money Laundering and Combating Terrorist Financing in Practice; Management Obligations and the Risk-based Approach to Money Laundering and Terrorist Financing and more. Membership is required.

Full details can be found on:

[www.college.bm/pace/pacedesignations/ica](http://www.college.bm/pace/pacedesignations/ica)

**Introductory level: Certificate in Anti-Money Laundering** TDS ICA02  
Length - 3 months. Assessment type - Multiple choice exam online

**Introductory level: Certificate in KYC and CDD** TDS ICA 05  
Length - 3 months. Assessment type - Multiple choice exam online

**Introductory level: Certificate in Managing Sanctions Risk** TDS ICA04  
Length - 3 months. Assessment type - Multiple choice exam online



# Athora Division of Professional and Career Education (APACE)

## **Intermediate level: International Advanced Certificate in Anti-Money Laundering** **TDS ICA12**

Length – 6 months. Assessment type – 2 written assignments

## **Specialist Certificate in Money Laundering Risk in New Technology** **TDS ICA13**

Length – 3 months. Assessment type – Multiple choice exam online

## **Intermediate level: Advanced Certificate in Managing Sanctions Risk** **TDS ICA14**

Length – 6 months. Assessment type – 2 written assignments

## **Virtual Advanced Certificate in Customer Due Diligence** **TDS ICA18**

Length – 6 months. Compulsory Virtual Classrooms. Assessment type – Exam online

## **Specialist Certificate in Anti-Corruption** **TDS ICA44**

Length – 3 months. Assessment type – Multiple choice exam online

## **Specialist Certificate in Money Laundering Risk in Correspondent Banking** **TDS ICA46**

Length – 3 months. Assessment type – Multiple choice exam online

## **REGULATORY COMPLIANCE TRACK**

**Topics include:** Understanding the Regulatory Environment; Regulation in Practice; Compliance in Practice, Other Key Compliance Areas; Anti-Money laundering; Financial Crime Prevention; Market Abuse; Managing Risk; Enforcement and more. Membership is required.

**Full details can be found on:**

[www.college.bm/pace/pacedesignations/ica](http://www.college.bm/pace/pacedesignations/ica)

## **Introductory level: Certificate in Compliance** **TDS ICA01**

Length – 3 months. Assessment type – Multiple choice exam online

## **Intermediate level: International Advanced Certificate in Regulatory Compliance** **TDS ICA16**

Length – 6 months. Assessment type – 2 written assignments

## **Intermediate level: International Advanced Certificate in Business Compliance** **TDS ICA17**

Length – 6 months. Assessment type – 2 written assignments

## **Advanced level: International Diploma in Governance, Risk and Compliance** **TDS ICA21**

Length – 9 months. Assessment type – 3 written assignments

## **FINANCIAL CRIME PREVENTION TRACK**

**Topics include:** What is Financial Crime? What are the Financial Crime Risks? Fraud Controls Banking - Fraud Typologies; Identity Theft and Cybercrime; Bribery and Corruption; Fraud Response Policy; The English Legal System and more. Membership is required.

**Full details can be found on:**

[www.college.bm/pace/pacedesignations/ica](http://www.college.bm/pace/pacedesignations/ica)

## **Introductory level: Certificate in Financial Crime Prevention** **TDS ICA03**

Length – 3 months. Assessment type – Multiple choice exam online

## **Intermediate level: Advanced Certificate in Managing Fraud** **TDS ICA15**

Length – 6 months. Assessment type – 2 written assignments

## **Advanced level: International Diploma in Financial Crime Prevention** **TDS ICA23**

Length – 9 months. Assessment type – 3 written assignments

**NOTE:** New ICA Students must apply for student membership before registering for courses.

Visit [www.college.bm/pace/pacedesignationsica](http://www.college.bm/pace/pacedesignationsica) for details.

## **KIXKO**

KIXKO is the leading Caribbean Anti-Money Laundering (AML) online educator helping financial institutions and other entities regulated by local monetary agencies detect and prevent money laundering threats to their business. KIXKO courses adhere to legislative and regulatory guidelines and are crafted and vetted by a network of diverse global and local specialists including compliance specialists, financial professionals and law enforcers. An ideal first step for career seekers/changers. Short, introductory courses in a modular format. Short multiple choice e-test at end of each module.

## **KIXKO Orientation** **TDS KIXK01**

The course demonstrates AML/ATF awareness basics. The course describes money laundering, terrorist financing, and AML requirements under the legislation. An introduction is provided on how to identify money laundering risks, your personal responsibilities and the person to whom you should report any suspicious activities.

## **KIXKO AML/ATF Risk Based Assessment** **TDS KIXK02**

The course introduces common methodologies involved in applying a risk based approach to AML/ATF. Four AML/ATF Risk Filters are identified



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as Customer, Delivery Method/Interface, Products and Services and Geographic Risk. High risk areas are highlighted in respect to account opening and transaction activity. This course is a starting point in the AML/ATF programme to identify and manage risks.

### KIXKO AML/ATF Customer Due Diligence

**TDS KIXK03**

Knowing Your Customer is the best defence against money laundering and terrorist financing activities. Due Diligence processes to identify and verify customer relationships are outlined in the course. The process for verifying source of funds is also introduced.

### KIXKO AML/ATF Monitoring & Reporting

**TDS KIXK04**

The course introduces processes for monitoring and reporting unusual or suspicious transactions. Methods of how to detect and report unusual and suspicious transactions are demonstrated. Recordkeeping and retention requirements are highlighted.

### KIXKO AML/ATF Governance & Oversight

**TDS KIXK05**

This course provides senior managers, directors and officers with best practice governance and oversight knowledge to enable compliance with Bermuda Anti-Money Laundering legislation, and to protect the entity and individuals against the threat of money laundering and terrorist financing.

## FACILITIES MANAGEMENT

### BUILDING OWNERS AND MANAGERS INSTITUTE (BOMI)

BOMI offers comprehensive professional designation programmes, reference books and a variety of other learning opportunities. BOMI designations are backed by the Institute's 30 years of excellence in developing and offering advanced education programmes and have become marks of distinction throughout the commercial property industry.

### Facilities Management Administrator

The Facilities Management Administrator (FMA) designation benefits new and experienced facilities professionals. Through its in-depth coverage of critical-need topics, including planning and project management, facilities technologies, finance and investment, and environmental health and worker safety, the FMA programme helps position facilities managers as key strategic contributors within their organisations.

#### CURRICULUM\*

- RST 880 The Design, Operations and Maintenance of Building Systems PART I
- RST 881 The Design, Operations and Maintenance of Building Systems PART II

- RST 882 Fundamentals of Facilities Management
- RST 884 Facilities Planning and Project Management
- RST 886 Environmental Health and Safety
- RST 887 Ethics is Good Business

#### Elective Courses *(Two of these courses must be completed)*

- RST 885 Real Estate Investment and Finance
- RST 888 Asset Management
- RST 889 Managing the Organisation

*\*Courses for this designation rotate. Certification can be earned in 3 years by completing 3 courses per year.*

BOMI Students must pay a one-time membership fee at the Bermuda College Business Office. **Contact the APACE Office for details:**  
[www.college.bm/pace](http://www.college.bm/pace)

## HEALTH AND BEAUTY

### CITY & GUILDS INTERNATIONAL QUALIFICATIONS

The City & Guilds international qualification is specifically geared for the international marketplace to measure the knowledge and practical skills of learners. Qualifications are available at three levels: certificate, diploma and advanced diploma.

### HAIRDRESSING QUALIFICATION

City and Guilds Diploma in Hairdressing is a UK-based programme which enjoys international recognition. This part-time programme will be delivered over three semesters in both practical and traditional classroom settings. The programme is suited for people who are new to the profession and those currently working in the profession who require certification.\*

#### Diploma in Hairdressing LEVEL 2

##### CURRICULUM

##### First Semester

##### Introduction to Hairdressing

Health and Safety  
Working Relationships  
Client Consultations  
Preparing the Work  
Shampoo, Blow Dry, Cutting

**HBP 002 A1**

## Second Semester

### Hair Care

Colouring  
Bleaching  
Relaxing

**HBP 003 A1**

## Third Semester

### Practicum

Open Salon Services

**HBP 004 A1**

\*Students must be 16 years or older

## MANAGEMENT

### AMERICAN MANAGEMENT ASSOCIATION (AMA)

Certificate programmes by the American Management Association have been developed by industry leaders and backed by more than 75 years of management training experience.

The certificate programmes encompass all areas of contemporary management including supervision, human resources, manufacturing, finance, sales, marketing and planning. The courseware delivers comprehensive training and real-world answers.

Certificates are earned over two semesters. Entrance is accepted in the Fall (September) and Spring (January) semesters. Candidates interested in earning their AMA certificates must successfully complete 10 Continuing Education Units. Each module completed is equivalent to 2 CEUs earned. Delegates must complete the core course and select any of the electives offered in any given semester to make up the 10 CEUs.

### Certificate in Human Resource Management

**AMA AMA 74**

The Certificate in Human Resources is a guide to every aspect of human resource management from understanding the basic HR functions to using the Web for recruiting and selecting the latest HRIS.

#### CURRICULUM

- AMA 12 A Manager's Guide to HR Law
- AMA 18 Fundamentals of Human Resources

#### Electives

- AMA 49 Performance Management
- AMA 50 How to Manage Training
- AMA 10 Communication Skills for Managers

### Certificate in General Management

**AMA AMA 70**

Twenty-first century managers must be able to lead as visionaries, entrepreneurs, mentors, change agents, and team builders. This certificate focuses on developing the skills that enable managers to increase competitive advantage, improve customer service, nurture a diverse workplace and meet global, ethical, and business challenges.

#### CURRICULUM

- AMA 12 A Manager's Guide to HR Law
- AMA 13 Finance and Accounting for Non-Financial Managers

#### Electives

- AMA 10 Communication Skills for Managers
- AMA 15 First Line Supervision
- AMA 51 How to Manage Conflict in the Organisation

### INSTITUTE OF LEADERSHIP AND MANAGEMENT DEVELOPMENT (ILM)

The Institute of Leadership and Management is the UK's number one awarding organisation for leadership and management. With over 2,500 approved centres and registering 90,000 learners each year ILM offers a wide range of qualifications designed to give practicing or aspiring managers a solid foundation in their formal development in their role, with the courses leaving a positive impact on learner's confidence and career progression.

The Athora Division of Professional and Career Education (APACE) provides a number of ILM accredited courses. The following courses are available:

- TDS ILM 816 ILM Level 3 Award in Leadership and Management
- TDS ILM 815A Level 3 Certificate in Leadership and Management
- TDS ILM 817 ILM Level 4 Award in Leadership and Management

All leadership and management programmes are accredited by the Institute of Leadership and Management against UK national VRQ standards. One can register to undertake a qualification through the ILM Centre in APACE.

## INFORMATION TECHNOLOGY

### SKILLSOFT GLOBAL KNOWLEDGE IT TRAINING COURSES

Global Knowledge, a Skillsoft Company, is a worldwide leader in IT and technology training, helping individuals and organisations build the skills they need to succeed in an ever-changing world.

#### Microsoft® Clips

#### TDS CLIPS 1

Are you making the most of your recent Microsoft 365 investment? Sure, you're using Excel®, Word® and Outlook® but are you using all of those products' features? Are you taking advantage of Teams, OneDrive® and SharePoint® to collaborate and communicate efficiently? With a Microsoft 365 license, you will have the tools to succeed. This 12-month subscription gives you access to 300+ courses to ensure that you are prepared to better adopt and utilise Microsoft 365 and Windows® 10.

#### BlockChain Technology

#### TDS 7881

This course provides a general overview of the BlockChain technology in simple English without using technical jargon. It's specifically designed to answer the following questions: What is BlockChain? (What exactly is it?) Non-Technical Technology Overview (How does it work?) Benefits of BlockChain (Why should anyone consider this?) Use Cases (Where and for what apps is it appropriate?) Adoption (Who is using it and for what?) Implementation (How do I get started?) Future of BlockChain (What is its future?)

#### BlockChain in Healthcare

#### TDS 6275

This course reviews how BlockChain is being applied in the Healthcare industry. As the industry faces many critical issues, healthcare professionals are turning to, and implementing BlockChain solutions to improve privacy, data integrity, cost reductions, and regulatory compliance. The course will discuss current and new industry use cases, as well as detailed coverage of the regulatory environment. This course focuses on how BlockChain is being used to improve and resolve many of the current and future healthcare industry problems.

#### Intro to Cybersecurity

#### TDS 4277

In this training course, you will discover the importance of cybersecurity in information technology. The objective is to understand cyber attacks and the techniques used to take control of an unsecure system. This course also presents the defensive measures security teams can take to prevent attacks, and provides an overview of the malicious software types used in computer networks.

#### Cyber Foundations

#### TDS 9701

In this cybersecurity course, you will gain a global perspective of the challenges of designing a secure system, touching on all the cyber roles

needed to provide a cohesive security solution. Through lecture, labs, and breakout discussion groups, you will learn about current threat trends across the Internet and their impact on organisational security. You will review standard cybersecurity terminology and compliance requirements, examine sample exploits, and gain hands-on experience mitigating controls. In a contained lab environment, you will work with live viruses, including botnets, worms, and Trojans.

#### CompTIA Security + Prep Course

#### TDS 3404

The *Security+ Certification Prep Course* provides the basic knowledge needed to plan, implement, and maintain information security in a vendor-neutral format. This includes risk management, host and network security, authentication and access control systems, cryptography, and organisational security. This course maps to the CompTIA Security+ certification exam (SY0-501). Objective coverage is marked throughout the course. Our Security+ courseware has received the CompTIA Approved Quality Content (CAQC) validation, assuring that all test objectives are covered in the training material.

#### *What is Security+ Certification?*

The Security+ certification is considered to be the minimum level of certification for all IT security positions beyond entry-level. This course delivers the core knowledge required to pass the exam and the skills necessary to advance to an intermediate-level security job.

#### CEH-Certified Ethical Hacker v12

#### TDS 3617

The goal of this course is to help you master an ethical hacking methodology that can be used in penetration testing to lawfully assess the security of a system. This course delivers in-demand ethical hacking skills while preparing you for the internationally-recognised Certified Ethical Hacker certification exam (312-50) from EC-Council. EC-Council security experts have designed over 140 labs, which mimic real-time scenarios to help you "live" through an attack as if it were real. You'll also be given access to over 2,200 commonly used hacking tools to immerse you into the hacker world.

**NOTE:** This course includes one exam voucher for the CEH - Certified Ethical Hacker v12 exam (312-50).

#### SANS GIAC Security Essentials

#### TDS 100373

With the rise in advanced persistent threats, it is almost inevitable that organisations will be targeted. Whether the attacker is successful in penetrating an organisation's network depends on the effectiveness of the organisation's defense. Defending against attacks is an ongoing challenge, with new threats emerging all of the time, including the next generation of threats. Organisations need to understand what really works in cybersecurity. What has worked, and will always work, is taking a risk-based approach to cyber defense. Before your organisation spends a dollar of its

IT budget or allocates any resources or time to anything in the name of cybersecurity, three questions must be answered: What is the risk? Is it the highest priority risk? What is the most cost-effective way to reduce the risk? You will learn the language and underlying theory of computer and information security. You will gain the essential and effective security knowledge you will need if you are given the responsibility for securing systems and/or organisations.

### **CISSP-Certified Information Systems Security Professionals**

**TDS 9803**

This course is the most comprehensive review of information security concepts and industry best practices, and focuses on the eight domains of the CISSP CBK (Common Body of Knowledge) that are covered in the CISSP exam. You will gain knowledge in information security that will increase your ability to successfully implement and manage security programmes in any organisation or government entity.

*Why take the CISSP Certification Prep Course?*

The CISSP exam is challenging, but the benefits are immense. Due to its comprehensive breadth, CISSP is the de facto certification to show competence in cyber roles. It's also one of the top-paying certifications in IT.

### **CISM-Certified Information Systems Manager**

**TDS 9817**

The CISM certification programme was developed by ISACA for experienced information security management professionals who have experience developing and managing information security programmes and who understand the programmes relationship to the overall business goals. The CISM exam consists of 200 multiple-choice questions that cover the four CISM domains. The American National Standards Institute (ANSI) has accredited the CISM certification programme under ISO/IEC 17024:2003, General Requirements for Bodies Operating Certification Systems of Persons.

### **Architecting on AWS**

**TDS 1395**

In this authorised Amazon Web Services (AWS) course, you will learn all the essential skills to architect your IT solutions on AWS. Gain in-depth knowledge of the AWS platform and how to leverage AWS services for your specific cloud-based application. This 3-day, hands-on training provides current AWS cloud best practices and AWS architecture principles covering the entire process of designing IT infrastructure from beginning to end. Since AWS introduces an average of 200 new features and services annually, it is critical that you study the most recent innovations. To reinforce this material, you will also explore case studies with a variety of AWS infrastructure designs and strategies. After the course, you will be fully equipped to build and scale a more efficient and reliable IT solution on the AWS cloud environment.

## **PROJECT MANAGEMENT**

### **SKILLSOFT GLOBAL KNOWLEDGE PROJECT MANAGEMENT TRAINING COURSES**

Global Knowledge, a Skillsoft Company, delivers what technology and business process cannot—skills. Whether you realise it or not, skills are the key limiter to your success. Organisations are under pressure to respond rapidly to change, meet customer needs and maximise resources. As a project manager, you can help your organisation meet these challenges by establishing consistent, repeatable methodologies that reduce risk, cut waste and provide a competitive advantage.

#### **Project Management Fundamentals**

**TDS PRO1**

In this course, you will learn the fundamentals and best practices of project management through hands-on, real-world exercises. Ensure that you are delivering business value by assessing a project's business case, identifying stakeholders and their relationship to your project, capturing product requirements, and establishing quality metrics to guide the development of your product and reassess the business case. Define product scope to provide clarity for project delivery and create a work breakdown structure to define project scope for the team. Manage your project within the planned budget and schedule by managing change and identifying and managing risks, assumptions, and constraints. You will learn to track the delivery of business value and close projects out cleanly.

#### **IT Project Management**

**TDS PRO2**

IT projects come with distinct challenges for all project team members, and most of all for the project manager. In this course, you will learn the fundamentals and best practices of project management methodology as applied to IT initiatives. Using real-world scenarios and hands-on exercises, you will apply practical project management principles to successfully take a project from planning to rollout.

#### **Project Management - Leadership and Communication**

**TDS PRO3**

The skills you will learn in this course will enable you to apply effective leadership strategies, improve your interpersonal communication, become more influential, help guide your staff through change, deal with conflict and practice ethical principles during the entire project management process.

#### **Project Management - Risk Management**

**TDS PRO4**

In this course, you will learn to use proven approaches and techniques specific to risk management. You will learn to plan and analyse projects to minimise risk in a formal environment. You will identify, analyse, and address uncertainty throughout the project lifecycle and incorporate lessons learned along with industry best practices related to risk manage-



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ment. You will apply Project Management Institute (PMI) risk management processes in a practical way to eliminate, mitigate, and minimise threats while maximising and optimising opportunities.

### Project Management Professional (PMP)

#### Certification Exam Prep Boot Camp

**TDS PRO7**

In this training course, you will gain the essential preparation needed to pass the PMP and CAPM® exams. Concentrating on exam content from *A Guide to the Project Management Body of Knowledge, (PMBOK®Guide) - Sixth Edition* and other sources, this course includes a wide variety of learning tools, practice questions, study aids, and post-learning resources all using PMI terminology.

## WORKFORCE DEVELOPMENT

### AGRICULTURE AND FISHERIES

#### CERTIFICATE IN BASIC HORTICULTURE

This foundational, competency-based programme is designed to prepare students with the skills and knowledge to engage in careers in the horticulture industry. Upon completion, students will be qualified and ready to work in grounds maintenance, plant nurseries, landscaping, garden centres, golf courses, lawn care, and parks and recreation departments. This course also covers theoretical requirements for the national standards.

Full details can be found on:

[www.college.bm/pace/horticulture](http://www.college.bm/pace/horticulture)

#### CURRICULUM

##### First Semester

#### Certificate in Basic Horticulture LEVEL 1

**AGC 990**

Topics include: Horticulture and the Environment; Plant Structures and Functions; Plant Propagation; Soil Science and Nutrients; Plant Identification and Pruning.

##### Second Semester

#### Certificate in Basic Horticulture LEVEL 2

**AGC 991**

Topics include: Operation and Maintenance of Horticulture Equipment (including power and hand tools).

### AQUAPONICS

#### Introduction to Aquaponics

**TDS AQUA1**

This course is a basic introduction to agricultural technology. At the end of the course students will have an understanding of the various types of systems and the basic components of an aquaponics system.

## CHILDCARE

### CERTIFICATE FOR CHILDCARE ASSISTANTS

The Certificate for Childcare Assistants is a part-time programme which prepares students to work as childcare assistants in nursery schools and preschool settings. The programme has been designed and developed to address the growing need for skill and knowledge development in the area of childcare services. The courses provide the opportunity for students to explore a range of child development theories while developing a practical understanding of their applications. Students are required to undertake a practicum.

#### CURRICULUM

##### First Semester

#### Foundations

**CCP 820**

- Cut the Cooties! Communicable Disease Prevention in Child Care
- Enriching Indoor Environments
- Keeping Our Children Safe: Planning Ahead and Being Prepared
- Learning Environment: How Classroom Arrangement Impacts Behaviour
- Safe Spaces and Places to Grow and Learn
- Building Positive Relationships
- Developmental Milestones
- Challenging Behavior: Reveal the Meaning
- Creating Positive Connections
- The Juggling Act: Schedules, Routines and Transitions
- The Reflective Teacher: Examining Beliefs, Impacting Practices
- Child Assessment: The Essentials of Individualising
- Curriculum Unpacked
- All Are Welcome: Creating a Classroom Community
- Enriching Play
- Piramide: The Power of Play
- Basics of Inclusion
- Teaching with Intention
- From Food to Physical Activity
- Outdoor Learning Environment

##### Second Semester

#### Infants and Toddlers Courses

**CCP 820**

- Amazing Development: Infants
- Amazing Development: Toddlers
- The Developing Infant and Toddler
- Safe Sleep and Sweet Dreams for Infants
- Child Language Development and Signs of Delay
- Responsive Caregiving: Nurturing Relationships with Infants and Toddlers



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## Preschooler Courses

- Amazing Development: Preschoolers
- Inspiring Creativity: All the World is a Stage
- Exploring the Pyramid Approach
- Interactive Storytelling
- STEM in the Preschool Classroom
- Dual Language Learners

CAPSTONE PRACTICUM (1 week)

**Requirements:** Creating and implementing lesson, leading large group time, leading small group time, managing transition, application of previous labs

**Third Semester** (8 weeks)

## Leadership Courses

- Essentials of Leadership in Early Childhood Education
- Teacher Leadership
- Administrative leadership
- Implementing Quality Teams
- Principles of Quality Teams
- Program and Classroom Assessment
- Building Strong Relationships with Families
- Engaging Families with Social Media
- Family Engagement: The Road to Better Outcomes for Children
- Honouring all families
- To expel or not to expel
- Understanding Child Abuse and Prevention
- Self-Care for Educators
- Basics of Inclusion

## EXERCISE SCIENCE

### PERSONAL FITNESS TRAINER CERTIFICATION

Bermuda College, in collaboration with the World Instructor Training Schools (W.I.T.S.) a leader in fitness training and certification in the U.S., is delivering the Personal Fitness Trainer Certification. This programme consists of four essential components: a strong theoretical foundation taught through classroom lecture and discussion; hands-on practice during which students develop professional skills and techniques through observation and practice; an internship which provides additional practical experiences in a real world setting; and CPR/AED Certification which must be sought externally. This is a 10-week, intensive course ending with an internship in an approved local fitness centre.

## CURRICULUM

### Personal Fitness Trainer Certification

**FIT 820**

Theory of Personal Fitness Training  
Anatomy and Biomechanics  
Assessing Body Composition  
Rx for Cardiovascular Fitness and Muscular Fitness  
Exercise Physiology  
Fitness Testing and Health Assessment  
Equipment Usage  
Special Populations  
Theory Assessment  
Practical Assessment  
Internship

## HEALTHCARE

### CERTIFICATE IN INTELLECTUAL DISABILITY

The Certificate in Intellectual Disability will provide the healthcare team with the necessary skills to support and deliver the highest quality of client-centered care to those impacted by intellectual disabilities. The goal of the certification is to provide the knowledge, practical skills, to advance the care, become experts in the field, and to enhance the quality of life of those with Intellectual Disability.

### COURSE OBJECTIVES

- To increase the effectiveness of services rendered to ID clients
- To establish standards, competencies and professional development for ID team members
- To enhance the skills and competence of those employed in ID

**Prerequisites:** This course is for individuals who are Certified Nursing Assistants or registered Para-professionals.

### CERTIFICATE FOR NURSING ASSISTANTS

The Certificate for Nursing Assistants was developed in collaboration with the Bermuda Nursing Council. It prepares participants with the prerequisites needed to become registered with the Bermuda Nursing Council as nursing assistants in the healthcare industry. Participants will cover topics such as: Vital Signs; Medical Terminology; Caring for Seniors and Others in Need of Medical Care; Professional Regulations; Legal and Ethical Issues in the Healthcare Industry. Those entering this programme must be proficient in English and mathematics. Potential students will be assessed.

**Please visit** [www.college.bm/pace/certificate-for-nursing-assistants](http://www.college.bm/pace/certificate-for-nursing-assistants) for entry requirements.

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## CURRICULUM

### First Semester

#### Fundamentals of Healthcare Delivery

CCW 810

This course is designed to provide a fundamental understanding of the requirements and nature of working in a healthcare setting with professionals who are responsible for patient care. Topics covered include: Medical terminology; Professional regulations; Legal and ethical issues governing healthcare in Bermuda.

## REQUIREMENTS

All persons applying to the Nursing Assistants Programme must have:

- CPT Scores that meet the minimum requirement
  - Reading: 249
  - Sentence: 3-4
  - Elementary Algebra: 237
- An extended grade of “C” or above in Extended IGCSE math and English
- IB scores of 5 and above in math and English
- AP scores of 4 and above in math and English
- College Level English and math
- an associate degree or higher

### Second Semester

#### Clinical Care Assistant

CCW 820

This course blends the practical and theoretical activities of nursing assistance covering topics such as Administering Vital Signs, CPR, Manual Handling, etc. **Prerequisite:** CCW 810

#### Clinical Practicum

CCW 821A

The clinical provides practical, hands-on experiences in a diverse group of approved healthcare settings under the supervision of a certified nurse. This takes place one weekend each month followed by a one-week, full-time clinical near the end of the programme. **Prerequisites:** CCW 810 and CCW 820

Those entering this programme must demonstrate proficiency in English and math with proof of one of the following:

- CPT Scores meeting the minimum requirement
- College Level English and math
- an associate degree or higher

## CERTIFICATE - EMERGENCY MEDICAL TECHNICIAN (EMT)

TDS EMT1

The certificate programme prepares graduates to initiate assessment and care of the ill or injured patient. After successful completion of the programme, each graduate must succeed at the National Registry of Emergency Medical Technicians (NREMT) practical and computer based knowledge examinations. This programme provides opportunity to prepare for entry-level positions in the Emergency Medical Services profession for possible employment in a variety of pre-hospital, hospital, Fire and Rescue Services and industrial settings.

Please visit [www.college.bm/pace/emt-programme](http://www.college.bm/pace/emt-programme) for entry requirements.

## CURRICULUM

Educational focus is on personal safety, safety of the crew, patient and bystanders, patient assessment, patient care, lifting and moving, transport, transfer of care and patient advocacy. Emergency Medical Technicians function as part of a comprehensive emergency team. The EMT course is a 14-week course with theoretical and practical components.

All persons applying to the EMT Programme must:

- Be 18 years and older
- Be physically fit
- CPT Scores that meet the minimum requirement
  - Reading: 249
  - Sentence: 3-4
  - Elementary Algebra: 237
- An extended grade of “C” or above in Extended IGCSE math and English
- IB scores of 5 and above in math and English
- AP scores of 4 and above in math and English
- College Level English and math
- an associate degree or higher

## MEDICAL ADMINISTRATIVE ASSISTANT

TDS NUR55

This programme prepares students to function effectively in many of the administrative and clerical positions in the healthcare industry. The courses cover areas and topics such as interpersonal skills, medical ethics and basic medical law, medical terminology and basics of insurance billing and coding, medical records management and management of practice finances. Students entering this programme must have a high school diploma or GED. US National certification options are available to students who complete this course.

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## MEDICAL BILLING AND CODING

**TDS NUR44**

Medical billing and coding is one of the fastest growing careers in the healthcare industry. This programme delivers the skills students need to solve insurance billing and coding problems. This course will also provide a high level overview of ICD-10CM. Additional topics include introduction to international classification of diseases, clinical medication and coding guidelines, basics of diagnostic and procedural coding to coding for general surgery and radiology and more. National certification exams are available for students who complete this course including the American Academy of Professional Coders. Students may be required to have a minimum of six months of practical work experience prior to pursuing the national certification exams. Students entering this programme must have a high school diploma or GED.

## HOSPITALITY AND ENTERTAINMENT

### BARTENDING

**FAB 815**

Bartending is a fast-paced, intense bartending workout designed to develop students to be Bar-Ready! We focus on the basics of bartending and so much more. We compare classic cocktails alongside their contemporary variations and then use this knowledge to create unique cocktails! We focus on techniques, tools, glassware, both classic and contemporary, and host a few in-house Master Classes to include infusions, rum and wine to develop a well-rounded insight into what the world of bartending used to be and what it is developing into today!

### CERTIFIED RESTAURANT SERVER

**FAB 821**

The Restaurant Server training will cover the art of table service, effective techniques, and dealing with difficult customers. The American Hotel and Lodging Association has been a primary source of these certifications. The certification requires a certain level of knowledge and experience. Practical knowledge and theoretical knowledge both are important phases of learning in the restaurant industry. This programme offers a perfect combination of both practical and theoretical methods.

### INTRODUCTION TO THE ART OF DJ'ING

**TDS DJ1**

This introductory programme is an ideal way to jump start your dreams! Students will work with a team of all-star DJ instructors to learn DJ history, the basics of mixing theory and song structure, beat matching, blending and DJ technology. The curriculum is designed to accommodate all styles of music and includes both theory and practical components.

## MARITIME

### SUMMER SEMESTERS

#### MARINE ENGINE DRIVERS

**NAV 855**

The five-week, Engine Drivers course will cover material required to sit the Bermuda Government Marine & Ports - Engine Drivers Exam. The course will cover, in depth, General Mechanics, Electrical, Boat Safety, Hull & Fittings, Theory of Combustion Engine, Diesel and Gasoline Engines.

### SPRING SEMESTERS

#### SEAMANSHIP AND INSHORE NAVIGATION

**NAV 850**

This introductory course will cover all areas of general boating knowledge including Bermuda Rules and Regulations, Understanding Ropes and Knots, Rules of the Road, Docking, Anchoring, Aids to Navigation as well as all in-shore channel marks and lights for the Marine and Ports "A & B" navigation license.

### FALL SEMESTERS

#### CHART TO ELECTRONIC NAVIGATION

**NAV 895**

This basic course covers the syllabus for the Marine and Ports Local Licenses to "C" Class covering coastal navigation in local and international waters.

### ENDEAVOUR

#### THE ENDEAVOUR MARITIME CAREERS SPRINGBOARD

Bermuda College in partnership with Endeavour offers the Endeavour Maritime Careers Springboard Programme. Participants who successfully complete this 7-week intensive hands-on course will gain maritime industry knowledge along with the following Royal Yachting Association (RYA) qualifications:

- RYA Sailing Level 1, 2 and 3,
- RYA Powerboat Level 2
- RYA Seamanship
- RYA Safety Boat
- RYA First Aid
- RYA Safe & Fun Safeguarding
- RYA VHF Marine Radio Short Range Certificate (SRC)
- RYA Dinghy Instructor

## REAL ESTATE

### INTRODUCTION TO REAL ESTATE

**RST 860**

The Introduction to Real Estate course provides the fundamental knowledge required for those thinking of entering, or have just entered the real estate industry. Additionally, it is designed to assist those undertaking the Bermuda Real Estate exam.

## PROFESSIONAL DEVELOPMENT

### BUILDING FINANCIAL LITERACY

TDS FIN

An introduction to basic money and financial concepts to help build practical financial skills and begin to take control of and manage your financial future. A four-part series, with a certificate upon completion offered in partnership with CFA Society Bermuda.

#### The Basics of Budgeting and Savings

Begin to think about your goals, both now and for the future. Learn how to figure out your current financial situation. Discover the basics of budgeting and savings through hands-on examples and using readily available tools to assist.

#### Income, Expenses and Debt

Having a plan and taking time to think about your outgoing as well as your incoming funds provides an opportunity to improve how to use the funds you have. Learn how all debt is not the same and how to differentiate between good debt and bad debt. This session will show how you can prioritise your expenses and avoid common mistakes.

#### Planning for Your Retirement

Think about your retirement goals and plan for your future. This session will help you understand retirement planning fundamentals including setting up your retirement goals, implementing a savings programme and exploring sources of retirement income. Highlights of Bermuda's National Pension Scheme will be explained.

#### Putting It All Together

This final session will review all the concepts and discuss practical tips. A panel with all the presenters will be there to review real life examples and answer questions.

## SAFE WATER AND WASTE MANAGEMENT

### Best Practices for Residential Water Management in Bermuda

TDS HEA7

This course is designed to equip the average Bermuda homeowner or maintenance worker with basic skills for managing residential water and wastewater installations based on national and international guidelines and best practices. Students will learn the basics of water treatment, quality control and conservation, and best practices for the safe management of wastewater.

### Drinking Water Quality Control

TDS HEA6

This interactive, intermediate-level course is geared to maintenance personnel, facility managers, as well as educators, students, and specialists in the field of drinking water quality control in Bermuda. Through a blend of interactive lectures and hands-on practical sessions it will provide attendees with essential tools for the treatment, quality control and sustainable management of drinking water supplies.

#### TOPICS INCLUDE:

- Drinking water analysis and monitoring
- Drinking water treatment processes
- National and international water quality standards
- Best practices in integrated water management
- New trends in water treatment and quality control

### Fundamentals of Wastewater Treatment and Management

TDS HEA8

This interactive course is geared to maintenance personnel, facility managers as well as educators, students, and specialists in the field of wastewater treatment and management in Bermuda. Through a blend of interactive lectures and hands-on practical sessions, this course will provide attendees with knowledge of the concepts and tools essential for operating wastewater treatment facilities.

# Athora Division of Professional and Career Education (APACE)

## ONLINE COURSES

**COURSE DETAILS:** [www.yougotclass.org/index.cfm/Bermuda](http://www.yougotclass.org/index.cfm/Bermuda)

Please visit [www.college.bm/PACE](http://www.college.bm/PACE) to view the course schedule as course offerings change each semester.

### BUSINESS

#### CERTIFICATE IN ACCOUNTING AND FINANCE FOR NON-FINANCIAL MANAGERS

**TDS 830**

Accounting and Finance for Non-Financial Managers

TDS 834

Financial Analysis and Planning for Non-Financial Managers

TDS 835

Cash is King

TDS 836

#### CERTIFICATE IN BOOKKEEPING

**TDS 829**

Closing Procedures and Financial Statements

TDS 832

General Ledger and Month End Procedures

TDS 833

Understanding Debits and Credits

TDS 839

#### CERTIFICATE FOR QUICKBOOKS

**TDS 826**

QuickBooks Online Level 1

TDS 827

QuickBooks Online Level 2

TDS 828

#### ENTREPRENEUR CERTIFICATE

**TDS 1070**

Entrepreneur Boot Camp

TDS 1069

The Business Plan

TDS 1088

Entrepreneurial Marketing

TDS 1089

#### THE BASICS OF BOOKKEEPING

**TDS 831**

### BUSINESS COMMUNICATION

#### CERTIFICATE IN BASIC GAME DESIGN

**TDS 1600**

Introduction to Game Design

TDS 1065

Intermediate Video Game Design

TDS 1620

#### CERTIFICATE IN BUSINESS WRITING

**TDS 1165**

Business Writing

TDS 1170

Effective Copywriting

TDS 1155

Writing News and Press Releases

TDS 1168

#### CERTIFICATE IN CUSTOMER SERVICE

**TDS 1101**

Keys to Customer Service

TDS 1102

Extraordinary Customer Service

TDS 1107

#### CERTIFICATE IN EFFECTIVE GRAMMAR

**TDS 1163**

#### CERTIFICATE IN WORKPLACE COMMUNICATION

**TDS 1166**

Conflict Management

TDS 1271

Collaborative Management

TDS 1283

Negotiation: Get What You Want

TDS 1273

Using Personality Profiles for Better Work Performance

TDS 1279

### DATA SCIENCE

#### CERTIFICATE IN DATA ANALYSIS

**TDS 1200**

Introduction to Data Analysis

TDS 1195

Intermediate Data Analysis

TDS 1205

Advanced Data Analysis

TDS 1210

#### CERTIFICATE IN MASTERING EXCEL

**TDS 1220**

Mastering Microsoft® Excel

TDS 1272

Intermediate Excel

TDS 1222

Advanced Excel

TDS 1221

#### POWER BI CERTIFICATE

**TDS 1215**

Introduction to Power BI

TDS 1212

Intermediate Power BI

TDS 1213

Advanced Power BI

TDS 1214

#### SQL CERTIFICATE

**TDS 380**

Introduction to SQL

TDS 381

Intermediate SQL

TDS 382

Advanced SQL

TDS 383

#### STATISTICS FOR DECISION-MAKING CERTIFICATE

**TDS 1550**

Statistics for Decision Using Survey

TDS 1551

Evaluation Research

TDS 1560

Action Research

TDS 1561



# Athora Division of Professional and Career Education (APACE)

## HUMAN RESOURCES

**SPANISH FOR MEDICAL PROFESSIONALS** TDS 1025

## LEADERSHIP

**CERTIFICATE IN LEADERSHIP DEVELOPMENT (FOR GEN Y)** TDS 1287

Leadership Principles TDS 581

Developing Your Leadership Skills TDS 1289

Developing Your Professional Career TDS 1046

## MANAGEMENT

**CERTIFICATE IN NON-PROFIT ADMINISTRATION** TDS 1050

Introduction to Strategic Planning TDS 391

Revenue Generation for Non-Profits TDS 1051

Programme Evaluation for Non-Profit Professionals TDS 1052

**CERTIFICATE IN PROJECT MANAGEMENT** TDS 560

Introduction to Project Management TDS 561

Project Management Processes TDS 562

Project Management Knowledge Areas TDS 563

**MANAGEMENT CERTIFICATE** TDS 1285

Managing Generations in the Workplace TDS 1282

Collaborative Management TDS 1283

Management Boot Camp TDS 1284

**MANAGING REMOTE WORKERS CERTIFICATE** TDS 390

Managing Remote Workers TDS 387

Remote Working and Communicating TDS 388

Remote Worker Manager Practicum TDS 389

**SIX SIGMA BREEN BELT CERTIFICATE** TDS 1320

Introduction to Six Sigma Green Belt TDS 1321

Intermediate Six Sigma Green Belt TDS 1322

Advanced Six Sigma Green Belt TDS 1323

**SUPERVISORY AND LEADERSHIP CERTIFICATE** TDS 1286

## NEW MEDIA MARKETING

**CERTIFICATE IN MARKETING** TDS 515

Advanced Marketing Concepts TDS 516

Writing Marketing Copy TDS 517

Integrated Marketing Best Practices TDS 533

**DIGITAL MARKETING CERTIFICATE** TDS 1094

Improving Email Promotions TDS 1079

Boosting Your Website Traffic TDS 1078

Online Advertising TDS 1098

**MASTERING VIDEO MARKETING CERTIFICATE** TDS 551

Video Marketing TDS 541

YouTube for Business TDS 520

Podcasting TDS 565

## PERSONAL DEVELOPMENT

Beginning Conversational Spanish TDS 1024

Introduction to Fiction Writing TDS 1160

Diversity Equity and Inclusion in the Workplace (Full) TDS 1267

What is DEI? TDS 1280

DEI and Organisational Success TDS 1293

Inclusive Communication TDS 1297

## SOCIAL MEDIA FOR BUSINESS

**SOCIAL MEDIA FOR BUSINESS CERTIFICATE** TDS 545

Introduction to Social Media TDS 510

Integrating Social Media in Your Organisation TDS 530

Marketing Using Social Media TDS 535

## TECHNOLOGY SKILLS

**CERTIFICATE IN MASTERING COMPUTER SKILLS FOR THE WORKPLACE** TDS 1172

Mastering Microsoft Excel TDS 1272

Mastering Microsoft Word TDS 1294

Mastering Microsoft PowerPoint TDS 1296

## Athora Division of Professional and Career Education (APACE)

### CERTIFICATE IN WEB DESIGN

Introduction to Web Design  
Intermediate Web Design  
Advanced Web Design

TDS 350

TDS 345

TDS 346

TDS 347

### CODING CERTIFICATE

Introduction to Coding  
HTML Fundamentals  
CSS Fundamentals

TDS 355

TDS 351

TDS 360

TDS 370

### GRAPHIC DESIGN SOFTWARE ESSENTIALS CERTIFICATE

Adobe Photoshop Essentials  
Adobe Illustrator Essentials  
Adobe InDesign Essentials

TDS 1036

TDS 1032

TDS 1033

TDS 1034

### WORDPRESS CERTIFICATE

TDS 1065

### TRAINING AND EDUCATION

#### CERTIFICATE IN ONLINE TEACHING

TDS 773

Advanced Teaching Online

TDS 763

Designing Online Instruction

TDS 764

Fostering Online Discussion

TDS 767

### TRAINING FOR K12 TEACHERS

#### CERTIFICATE IN LEARNING STYLES

TDS 769

Developing the Socialisation Skills of Students with  
ASD in the Inclusive Classroom

TDS 798

Gender Matters: Gender in the Classroom

TDS 770

Generational Learning Styles

TDS 842

Culturally Responsive Pedagogy in the Diverse

TDS 758

The Teen Brain

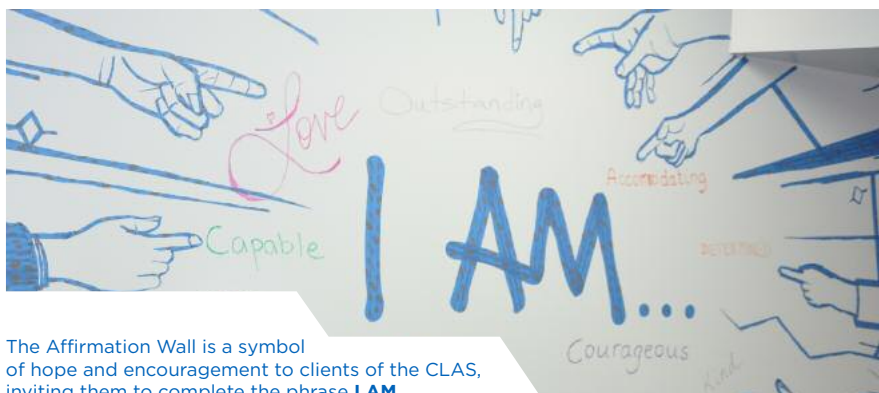
TDS 755

# STUDENT RESOURCES

**Student Resources** are those areas and functions of Bermuda College that directly contribute to a successful learning environment for the student.

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<b>COUNSELLING AND CAREER CENTRE</b>	<b>P. 140</b>
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<b>BOOKSTORE</b>	<b>P. 142</b>
<b>SECURITY &amp; SAFETY</b>	<b>P. 143</b>
<b>CAMPUS MAP</b>	<b>P. 144</b>
<b>CAMPUS EVACUATION MAP</b>	<b>P. 145</b>

## Student Resources



The Affirmation Wall is a symbol of hope and encouragement to clients of the CLAS, inviting them to complete the phrase **I AM...**

### CENTRE FOR LEARNING AND ACADEMIC SUCCESS

The Centre for Learning and Academic Success (CLAS) serves all Bermuda College students in their quest for academic excellence. CLAS provides academic support, enhances student learning and assists in the development of independent learning in a friendly, comfortable environment. The tutors provide individual and small group tutoring. Throughout the year, workshops are offered on a variety of topics including time management, test-taking skills, study strategies, writing skills, etc.

CLAS has an open door policy. It is advisable, however, to make appointments to see individual tutors when deadlines for research papers and exams are approaching.

CLAS urges all students to seek assistance at the earliest opportunity and become familiar with the Centre even before they encounter difficulties in their courses. On occasion, students come into CLAS to do homework assignments and/or study in order to take advantage of the supportive environment. Lecturers often direct students to use CLAS. Such referrals should be taken seriously, in order to ensure success.

Bermuda College also offers SMARTHINKING, a 24/7 online tutoring service accessible through the student portal.

CLAS supports the successful transition and success of students in their first year by offering the College Skills Course (CSC 1110) and Freshmen Orientation.

### College Skills Course 1110-Learning Strategies for Student Success

This course is designed to help students improve their college readiness, enhance their college experience, and improve learning skills. Students will master strategies and practice skills that will enable them to learn effectively. Topics include but are not limited to campus resources, campus policies, time management, learning styles, reading strategies, library research, note-taking and study techniques. See the course catalogue for more information about CSC 1110. Students are expected to take CSC 1110 in their first semester of enrollment at Bermuda College.

#### For information, contact:

Director

Dr. Lisa Osborne | Tel: 239-4102 ■ E: [losborne@college.bm](mailto:losborne@college.bm)

### COUNSELLING & CAREER CENTRE

Located on the second level of the Library Building, the Counselling & Career Centre (CCC) facilitates academic, career, personal, and professional development opportunities.

### COUNSELLING SERVICES

The Counselling team provides individual and group services to students, alumni and members of the community.

It aims to:

- Identify/clarify barriers to success and support the development of solutions
- Facilitate the development of coping skills in a variety of areas (anxiety, stress, conflict resolution, relationships, etc)
- Explore and evaluate the variety of transfer abroad options supporting continuing education including online and traditional options.
- Develop effective admission essays and personal statements to support university and scholarship applications.
- Understand and select the appropriate financing options to support continuing education goals.
- Facilitate workforce development through assessment of interests, skills, and abilities.
- Prepare effective job search/career transition strategies by developing an effective toolkit – resumé writing, cover letter writing, interview skills, and networking skills.

## Student Resources

By appointment or walk-in, the Counselling & Career Centre is ready to work with students as they consider, assess and develop their goals. A timely visit equals a strong foundation for future success!

### ACCESSIBILITY SERVICES

Students who have a mild to moderate documented disability are encouraged to disclose during the admission process to support an early connection with the Coordinator of Accessibility Services. This activates the opportunity to have a supportive transition into the College environment, including discussion of reasonable accommodations based on the student's individual needs. Accommodations may include extended time (assignments/testing), individualised settings for test-taking, reduced course-load, physical access plans, etc. Any information shared is managed with the strictest of confidence and used solely to identify the necessary resources to facilitate student success. See [www.college.bm/resources/counselling-career-centre/accessibility-services](http://www.college.bm/resources/counselling-career-centre/accessibility-services).

#### For information, contact:

Coordinator of Accessibility Services  
Ms. Algene Maybury | Tel: 239-4059 ■ Email: [amaybury@college.bm](mailto:amaybury@college.bm)

### STUDENT LIFE ACTIVITIES

Student Life cultivates opportunities for personal and professional growth by facilitating a variety of campus activities. Students are encouraged to create and participate in student clubs, Student Government Council (SGC) and the special events sponsored by both. Affiliation and involvement in student clubs provides students with the opportunity to gain hands-on leadership experience, enriching their college learning experience and providing them with the ability to explore personal and career-related interests. Student Life also works to engage students, faculty and staff in the local community through participation in charity events and other community-based activities. See [www.college.bm/life](http://www.college.bm/life).

### STUDENT GOVERNMENT COUNCIL

Student Government Council (SGC)

- Serves as an advocate of student concerns
- Enhances student life on campus with social and other activities
- Fosters stronger bonds within the campus and the external community

SGC is made up of student representatives and strives to have at least one representative from each academic division to raise awareness and speak to the variety of student interests and concerns.

#### For information, contact:

Student Life Coordinator  
Mr. Terryn Fray | T: 239-4020 ■ E: [tfray@college.bm](mailto:tfray@college.bm)

### STUDENT EMPLOYMENT

Students wishing to work part-time on and off campus may register with the Student Employment Office located in the Counselling & Career Centre. Students who are employed through the Office may work no more than twenty hours per week when classes are in session and must maintain a minimum grade point average of 2.0 each semester.

#### For information, contact:

Student Employment Coordinator  
Ms. Elisha Miller | Tel: 236-9000 ext.4393 ■ Email: [emiller@college.bm](mailto:emiller@college.bm)

#### For more information on the above services provided by the Counseling and Career Centre, contact:

Director, Counseling and Student Activities  
Ms. Nikkita Scott | Tel: 239-4084 ■ Email: [nscott@college.bm](mailto:nscott@college.bm)

### FINANCIAL SUPPORT PROGRAMMES

The Counselling & Career Centre facilitates financial support programmes to offset the educational cost of enrolment at Bermuda College. Options include entry scholarships, awards and financial aid grants. Financial Aid grants were recently diversified to include the following options: tuition/fees grants, the Book loan programme, tuition/fee waivers for Ex-Foster Care recipients, and work study grants.

A visit to [www.bermudascholarships.com](http://www.bermudascholarships.com) provides summary information describing all of the awards administered by the Counselling & Career Centre. Alternatively, we invite prospective and current students to contact the Financial Support Services directly via [financialsupportservices@college.bm](mailto:financialsupportservices@college.bm) for more information on financial support options, application criteria and application deadlines.

#### For information, contact:

Intake Financial Aid Administrator  
Ms. Cree Watson | Tel: 239-4018 ■ Email: [financialaid@college.bm](mailto:financialaid@college.bm)

Director, Counselling & Student Activities  
Financial Support Committee  
Ms. Nikkita Scott | Tel: 239-4084 ■ Email: [nscott@college.bm](mailto:nscott@college.bm)



## Student Resources

### LIBRARY

The Bermuda College Library subscribes to thousands of journals and magazines via three academic databases: EBSCO, ProQuest and JSTOR. New titles are added monthly to the book shelves and digital collection. The Library also has subject-related e-books to complement any curriculum.

Professionally trained librarians and skilled staff are here to provide patrons' information needs whether as a student, faculty, staff, or member of the community.

The Library provides quiet spaces where students can work with laptops, conduct research, or study. The Library also has computer workstations and group meeting rooms which patrons may use. There is a lounge for relaxation and quiet socialisation known as the "Chill Zone" all in the building under the Clocktower.

**OUR MISSION** *is to successfully facilitate and support the teaching and learning objectives of the College.*

#### SEMESTER OPENING HOURS:

Monday - Thursday: 9 am - 8 pm

Friday: 9 am - 5 pm

Sunday: 1 pm - 5 pm

**NOTE:** Opening hours are reduced during semester breaks and during the summer session

- All hours are subject to change.

For information visit our:

- **Webpage at:** [www.college.bm/resources/library](http://www.college.bm/resources/library)
- **Facebook page:** Bermuda College Library
- Tel: 239-4033
- Email: [circulation@college.bm](mailto:circulation@college.bm) or [reference@college.bm](mailto:reference@college.bm)

### BOOKSTORE

## BOOKS AND SUPPLIES THAT WORK AS HARD AS YOU DO!



We are not just any bookstore.  
We offer all the tools you need  
to make your college experience  
A SUCCESS!

#### OPENING HOURS

**Monday - Thursday:** 8:45 am - 5:30 pm

**Friday:** 8:45 am - 4:30 pm

#### FALL SEMESTER EXTENDED HOURS

**FIRST TWO WEEKS Monday - Thursday:** 8:45 am - 6:30 pm

**First Saturday before semester begins:** 10 am - 2 pm

#### SPRING SEMESTER EXTENDED HOURS

**FIRST WEEK:** 8:45 am - 6:30 pm

#### SUMMER HOURS

**Monday - Thursday:** 8:45 am - 4:30 pm

**Friday:** 8:45 am - 4:30 pm *(subject to change)*

**LOCATION:** 1st Floor College Centre  
**CALL FOR MORE INFORMATION** 236-9000 ext. 4310

### SECURITY & SAFETY

**Location:** 1st Floor College Centre (Room C107)

**Hours of Operation:**

<b>Monday to Thursday</b>	7 am – 9:30 pm
<b>Friday</b>	7 am – 6:30 pm
<b>Saturday</b>	7 am – 5 pm
<b>Sunday</b>	9 am – 5 pm

These are the normal hours of operation for Bermuda College. During the hours stated above, Security will be available to perform regular duties. Any events scheduled outside of regular operating hours will need to be pre-approved to ensure the presence of required facilities and security personnel.

**Contact Numbers:** 236-9000 ext. 4911 – Security Office  
239-4053 – Fax

- Locker queries directed to: [lockers@college.bm](mailto:lockers@college.bm)
- Lost and found queries directed to: [lostandfound@college.bm](mailto:lostandfound@college.bm)

**Department Responsibilities:** Mail Services, Security Monitoring (CCTV), Card Access, Fire & Intrusion Alarms, Lost & Found, Student/Employee ID's, Campus Key Cutting and Parking

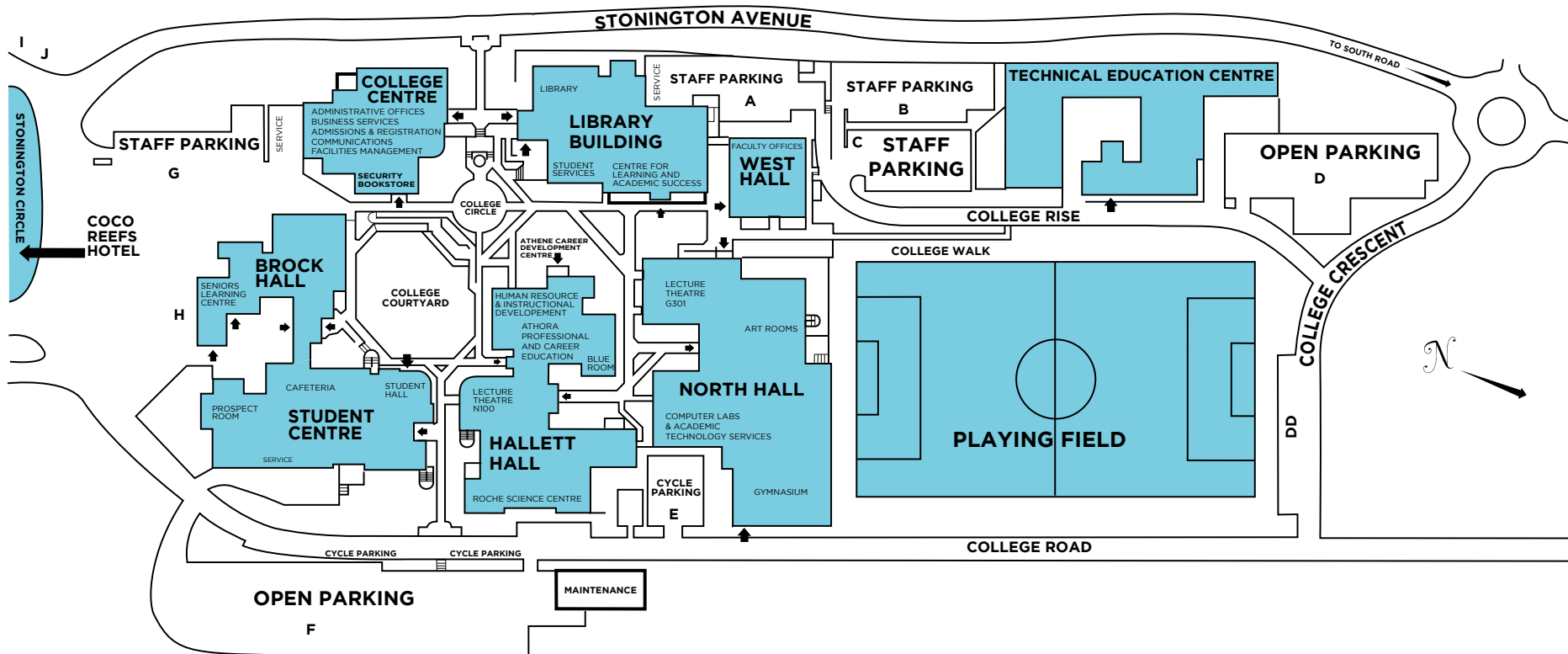
**A few pointers:** Every one has a right to feel safe on campus. You can help make the campus safe for everyone by:

- Recognising risks and taking steps to avoid potentially hazardous situations.
- Making use of the College's team of Security & Safety Officers by reporting any suspicious activity or behaviour to Security.
- Avoiding isolated places, especially at night. If you require an escort contact Security at ext. 4911.
- Changing direction and going to an area where there are other people if you think you are being followed.
- Parking your car or cycle in designated areas; they are well lit and observed via CCTV.
- Walking confidently to or from your car or bike, with your keys in your hand ready to unlock your vehicle.
- Saying something if you see something suspicious.



**MANY PATHS.  
DISCOVER YOURS.**

## BERMUDA COLLEGE CAMPUS MAP



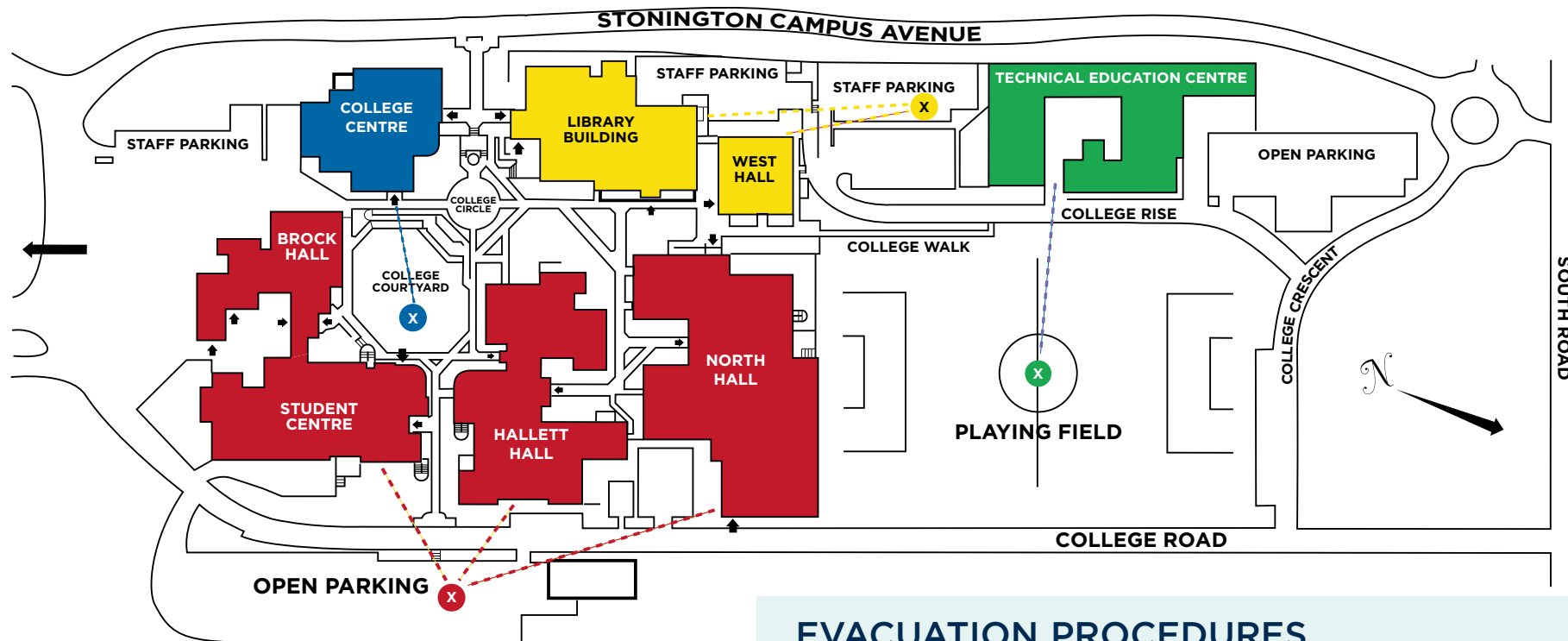
### CLASS ROOMS

NORTH HALL -	Rooms beginning with	G
	Gymnasium	
HALLET HALL -	Rooms beginning with	H
	Corange Science Centre	
BROCK HALL -	Rooms beginning with	B
	Cafeteria	
TECH HALL -	Rooms beginning with	T
	Tech Education Centre	

### PARKING

A -	24 cars
B -	24 cars & 26 cycles
C -	18 cars
D -	28 cars & 26 cycles
DD -	20 cars
E -	Cycle Parking (Students - 20 cycles)
F -	85 cars
G -	34 cars & 48 cycles
H -	21 cars
I -	14 cycles
J -	40 cycles

## BERMUDA COLLEGE CAMPUS EVACUATION MAP



### ASSEMBLY POINTS FOR EACH BUILDING

- **BLUE** COLLEGE CENTRE
- **YELLOW** LIBRARY & WEST HALL
- **GREEN** TECH HALL
- **RED** STUDENT CENTRE, CAFETERIA, BROCK HALL, HALLETT HALL & NORTH HALL

### EVACUATION PROCEDURES

- 1) Persons discovering fire and/or smoke should immediately:
  - a) Activate the nearest alarm pull station
  - b) Dial 911 to report the emergency
  - c) Dial 0 to inform the switchboard operator of the emergency
  - d) Leave the building via the nearest exit point
  - e) Proceed to the designated assembly point
- 2) On hearing the alarm, all persons should immediately:
  - a) Leave the building via the nearest exit point
  - b) Proceed to the designated assembly point
- 3) If it is safe to do so all persons who have evacuated the building shall remain at the assembly point to be accounted for by the Fire Marshall. **NO ONE** should re-enter the building until **THE FIRE MARSHALL** has given the **ALL CLEAR**.



#### SECURITY AND SAFETY

TEL: (441) 239-4052 or 236-9000 ext. 4911 (for internal calls)  
 FAX: (441) 239-4053 • EMAIL: securitydept@college.bm  
 Bermuda College P. O. BOX HM2718, HAMILTON HM LX, Bermuda  
[www.college.bm](http://www.college.bm)



## In its 50th year, Bermuda College continues to forge new pathways through innovative education

*Below: Groundbreaking ceremony at the Stonington campus. Published in the RG June 4, 1987*



**Left and Centre:** July 1, 2024 launch of Bermuda College's 50th anniversary  
**Bottom Right:** Commencement ceremony at Stonington campus in the late 80s

MANY PATHS.  
DISCOVER YOURS.



# FACULTY AND SUPPORT STAFF DIRECTORY

**FACULTY** comprise both full-time and part-time (adjunct) teaching staff at Bermuda College, whose subject areas are usually housed within one of the Divisions of the College.

**SUPPORT STAFF** are usually non-teaching employees whose responsibilities and areas of expertise are found in various Departments of the College.

## FACULTY AND SUPPORT STAFF

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## GENERAL DIRECTORY

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# Faculty and Support Staff Directory

## EXECUTIVE OFFICE

**Sam, David**, *President*, Ph.D. (International Relations), Tufts Univ.; Juris Doctor, Univ. of Akron Law School; LL.M (Energy Law and Policy) (Hons.), Univ. of Dundee; M.A.L.D., Tufts Univ.; M.B.A. (Finance and Marketing), Northwestern Univ.; B.A. (Economics, History and Political Science) (Hons.), Illinois State Univ.

**Scott, Nikkita**, *Assistant to the President for Special Projects*; Ed.M., M.A., Columbia Univ.; B.S., Dalhousie Univ.

**Baxter, Satorie**, *Executive Administrative Assistant, Vice President, Academic and Student Affairs*; BComm. (Human Resource Management), St. Mary's Univ.

**Darrell, Belinda**, *Senior Executive Assistant, President*

**Riley, Cordell**, *Institutional Research and Planning Coordinator*; M.Sc. (Tourism Marketing), Univ. of Surrey; B.Sc. (Hotel & Management), Univ. of New Haven

## ATHORA DIVISION OF PROFESSIONAL AND CAREER EDUCATION

**Flood, Tawana D.**, *Director*; CMA, CPA, Society of Management Accountants of Canada; M.T.A., B.B.A., (Hons.), George Washington Univ.

**Miller, Deanaé**, *Administrative Coordinator*

**Place, Carleen**, *Programme Coordinator*; B.Sc. (Business Management), Univ. of Phoenix

**Smith, Karen D.**, *Programme Coordinator*; B.Sc. (Finance), West Virginia Wesleyan College

## BOOKSTORE

**Simmons, Kaitlyn**, *Bookstore Manager*; Fashion Business Diploma, Seneca College

**Baksh, Raven**, *Bookstore Food & Retail Merchandiser*, B.M. (Professional Music), Berklee College of Music

**Dill, Leonie**, *Bookstore & Purchasing Assistant*

## BUSINESS SERVICES

**Willins, Mechelle**, *Controller*; CPA, Univ. of West Indies Cave Hill Campus; B.Sc. (Hons.), Univ. of West Indies Cave Hill Campus

**Amory, Conchita**, *Acting Controller and Business Service Officer*; B.B.A., (Accounting) (Hons.), MSVU; A.B.A., (Accounting) (Hons.), Bermuda College

**Eve, Wendy**, *Purchasing Agent*

**Every, Stephanie**, *Accounts Payable/Payroll Assistant*  
**Sharrieff, Tracey**, *Accounts Receivable Assistant II*

## CENTRE FOR HUMAN RESOURCE DEVELOPMENT

**Tucker, Lorrita**, *Director, Human Resource & Development*; Diploma (Law & Practice), Chartered Institute of Legal Executives, A.CInst.L.Ex.; Human Resource Studies and Labour Relations Certificates, Cornell Univ.

**Alleyne, Lauren**, *Human Resource Officer*; HR & General-Management, American Management Association Certification

**Correia, Christina**, *Human Resource and Training Administrative Assistant*

**Ridley-Smith, Constance**, *Training & Professional Development Coordinator, and External Programmes and Agreements Coordinator*; Ph.D. (Education), Northern Caribbean Univ.; M.P.A., Tennessee State Univ.; B.S. (Music Education), Tennessee State Univ.; Teacher's License, State of Tennessee Dept. of Ed. Music & English; Certificate (Instructional Technology), San Diego State Univ.

## CENTRE FOR LEARNING AND ACADEMIC SUCCESS

**Osborne, Lisa**, *Director of CLAS*; Ed.D. (Adult Learning/Professional Development), Regent Univ.; M.Ed., Howard Univ.; B.A., Clark Univ.; A.S., Bermuda College

**Ackah, Jennifer**, *Mathematics Lecturer/Tutor*; B.A., Oakwood College

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