



**BALTIMORE CITY
COMMUNITY COLLEGE**

2017 - 2018 CATALOG

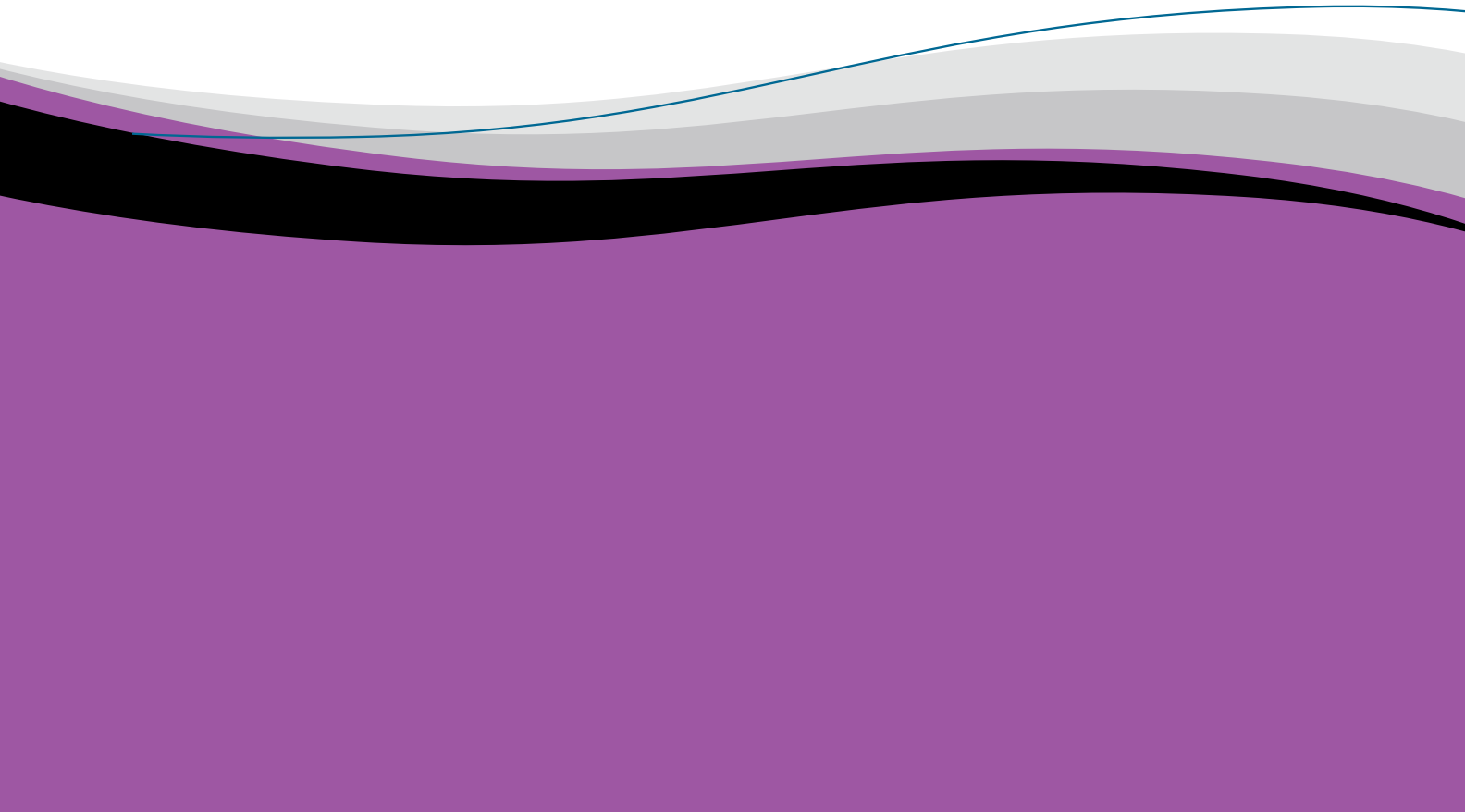


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TELEPHONE DIRECTORY

MAIN TELEPHONE NUMBERS

General Information/ Admissions Office/
Call Center 410-462-8300
MD Toll-Free 1-888-203-1261

ADDITIONAL INFORMATION

Academic Advisement 410-462-8555
Academic Affairs, Vice President 410-462-8538
Adult and Community
Education Programs 410-986-3200
Alumni Relations Office 410-209-6036
BCCC Foundation 410-209-6059
Bookstore Liberty 410-462-8484
Business and Continuing
Education Division 410-986-3200
Business and Finance Division 410-209-6048
Cafeteria 410-462-7429
Call Center 410-462-8300
Career Development 410-462-8470
Cashier Liberty 410-462-8474
Center for Academic Achievement . . . 410-462-8222
Clarence W. Blount
Child Development Center 410-462-7760
Construction Technologies 410-462-8326
Disability Support Services 410-462-8585
E-Learning 410-462-7625
Facilities Help Desk 410-462-8530
Financial Aid Office 410-462-8500
Granville T. Woods Honors
Program 410-462-8303
Human Resources Office 410-209-6007
Institutional Advancement, Marketing
and Research 410-209-6056
Intercollegiate Athletics 410-462-8320
International Student Services. 410-462-8315
Information Technology
Service Desk for Faculty and Staff. . . 410-462-7420
Service Desk for Students 410-462-7411

Judicial Affairs and Title IX. 410-462-8505
Library Liberty 410-462-8400
The Life Sciences Institute at
UMB BioPark 410-637-3802
Lost and Found Liberty 410-462-7700
Mathematics Learning Center 410-462-8320
Physical Education Center 410-462-8320
Phi Theta Kappa 410-462-7497
President's Office 410-209-7799
Preventive Dentistry Clinic 410-462-7712
Public Safety/ Parking 410-462-7700
Recruitment, Admissions and
Registration 410-462-8300
Registrar's Office 410-462-7777
Reisterstown Plaza Center 410-580-2750
Science Resource and
Learning Center 410-462-8008
Shuttle Bus Service 410-462-7700
Student Accounting Office 410-462-8333
Student Affairs, Vice President 410-462-7676
Student Government 410-462-8385
Student Life and Engagement 410-462-8385
Student Success Center 410-462-8555
Student Support and
Wellness Services 410-462-8384
Test Center 410-462-7666
Transfer Services 410-462-7497
TRIO/SSS-STAIRS Program
Student Support Services 410-462-8396
TRIO: Upward Bound Math
and Science Program 410-462-7440
Veteran Services. 410-462-8372
WBJC-FM 410-580-5800

ACADEMIC CALENDAR

FALL 2017	16-week	Accelerated I 8-week	12-week	Accelerated II 8-week
Early Registration (Payment Due Aug 7)	April 24 -August 7			
General Registration (Payment Due at Reg.)	August 8 –28	August 8 – 28	August 8 - September 23	August 8 - October 21
Senior Registration	August 24 - 26	August 24 - August 26	September 21-23	October 19-21
Classes Begin	August 28	August 28	September 25	October 23
ADD/DROP Period (Without academic penalty)	August 28-September 5	August 28-29	September 25-26	October 23-24
Withdraw Period ("W" code on transcript)	September 6- November 13	August 30-October 2	September 27- November 27	October 25- December 4
Mid-Term	October 16	September 18	October 30	November 13
Last Day of Classes	December 10	October 21	December 10	December 15
Final Exam Period	December 11 – December 15	Last Day of Class	December 11 – December 15	Last Day of Class
Saturday Classes: September 9, 16, 23, 30; October 7, 14, 21, 28; November 4, 11, 18; December 2, 9				
Saturday (Student Service Open) August 12,19, 26; September 16, 30; October 7, 21; November 4, 18; December 2, 16				
Holiday Community Forum Thursday August 17, 2017 No College Services Full-time Faculty Academy Friday August 18, 2017 No Academic Classes Adjunct Faculty Academy Saturday August 19, 2017 No Academic Classes Labor Day, Monday, September 4 *College Closed Convocation, Wednesday September 13, 2017 No College Services 12-2pm Thanksgiving Holiday, Thursday, November 23- Friday, November 24 *College Closed Winter Break Friday, December 22-Monday, January 1, *College Closed				
WINTER 2018				
Early Registration (Payment due Dec 18)	November 20- December 18			
General Registration (Payment Due at Reg.)	December 19-January 2			
Senior Registration	December 19-21			
Classes Begin	January 2			
ADD/DROP Period (Without academic penalty)	January 2-3			
Withdraw Period ("W" code on transcript)	January 13			
Last Day of Classes/ Final Exam	January 21			

UPDATED 4/7/17

ACADEMIC CALENDAR

SPRING 2018	16-week	Accelerated I 8-week	12-week	Accelerated II 8-week
Early Registration (Payment Due Jan. 2)	November 20- January 2			
General Registration (Payment Due at Reg.)	January 3 – January 22	January 3 – January 22	January 3 – February 19	January 3 – March 19
Senior Registration	January 18-20	January 18- 20	February 15-17	March 16-18
Classes Begin	January 22	January 22	February 19	March 19
ADD/DROP Period (Without academic penalty)	January 22- January 30	January 22 - 23	February 19-20	March 19-20
Withdraw Period ("W" code on transcript)	January 31 - April 21	January 24 -March 3	February 21- April 27	March 21-May 5
Mid-Term	March 12	February 19	April 2	April 23
Last Day of Classes	May 13	March 20	May 13	May 20
Final Exam Period	May 14-20	Last Day of Class	May 14-20	Last Day of Class
Saturday Classes: January 27; February 3, 10, 17 ,24; March 3, 10 ,17 ,24; April 7, 14, 21, 28; May 5, 12, 19				
Saturday (Student Service Open): January 6, 13, 20, 27; February 3, 17; March 3, 17; April 7, 21; May 5, 19				
Holiday Full-time Faculty Academy Friday January 12, 2018 No Academic Classes Adjunct Faculty Academy Saturday January 13, 2018 No Academic Classes Dr. Martin Luther King, Monday, January 15*College Closed Spring Break, Monday, March 26-Sunday, April 1 No Academic Classes Good Friday, March 30 *College Closed Memorial Day, Monday, May 28 *College Closed Commencement 2018 Saturday, June 2 No College Services				
Summer 2018	Summer I 5 week	Summer I 8 week	Summer II 5 week	
Early Registration	April 23- May 28	April 23- May 28	April 24- June 30	
General Registration (Payment due at reg.)	May 29- June 1	May 31- June 1	July 1-July 9	
Senior Registration	May 31-June 1	May 31- June 1	July 5-7	
Classes begin	June 4	June 4	July 9	
ADD/DROP Period (Without academic penalty)	June 4-5	June 4-5	July 9-10	
Withdraw Period ("W" code on transcript)	June 6-June 16	June 6 –June 23	July 11- July 28	
Last Day of Classes/ Final Exam Period	July 8	July 29	August 12	
Saturday Classes: June 9, 16 ,23, 30 ; July 7, 14, 21, 28; August 4, 11				
Saturday (Student Service Open): June 16, 30 ; July 7, 21; August 4,				
Holiday Independence Day, Wednesday, July 4 *College Closed				

INTRODUCTION

Serving primarily the residents and the business community of Baltimore, Baltimore City Community College (BCCC) is a State-sponsored, urban, comprehensive, degree-granting community college with one main campus and satellite locations throughout the city. With its broad range of degree and certificate programs, affordable tuition, and extensive outreach, BCCC offers educational opportunities at all levels to the citizens of Baltimore City, the State of Maryland, and other countries. By attending BCCC, students receive the quality education and training necessary to obtain good jobs, transfer to four-year institutions, upgrade skills, or, acquire new ones to be competitive in the global marketplace. BCCC also offers continuing education programs such as General Educational Development GED® to students seeking a High School Diploma. In addition, the College offers English as a Second Language (ESL) instruction to students wanting to strengthen their language skills and Adult Basic Education (ABE) to those students wanting to gain literacy skills. The College's Business and Continuing Education Division (BCED) partners with local business and industry to offer cost effective, state-of-the-art contract and customized training, other workforce development training, industry certifications, lifelong learning opportunities, and refugee assistance services. These programs contribute significantly to Baltimore's economic and workforce development initiatives.

BCCC is both an old and a young institution. The College was founded in 1947, as Baltimore Junior College, a part of the Baltimore City Public Schools. Its mission was to provide post high school education for returning World War II veterans. In 1967, the College was renamed Community College of Baltimore and restructured as a department of the City of Baltimore. In the 1980's, shrinking resources made it difficult for the City to continue operating a quality institution of higher education. As a result, on July 1, 1990, the Maryland General Assembly created a new institution, New Community College of Baltimore, funded by the State of Maryland. The College was granted permanent state status in 1992 and renamed Baltimore City Community College.

CORE VALUES

These core values represent the most important underlying principles and beliefs that are the basis for the vision, strategies, plans, policies, and actions of Baltimore City Community College.



- Integrity – unwavering adherence to a strict moral and ethical standard
- Respect – showing genuine concern and regard for the dignity of others while practicing civility, accepting, appreciating, and supporting individual differences
- Diversity – recognizing, accepting, appreciating, and supporting individual differences and lifestyles
- Teaching – impacting knowledge skills and values that are essential to the success of the individual and growth of the community
- Learning – gaining knowledge, skills and understanding that are useful to the individual and college community by promoting intellectual curiosity
- Excellence – providing excellent teaching, student services, customer services and community engagement
- Leadership – empowering, nurturing, and inspiring individuals to be leaders in their own sphere
- Professionalism – adhering to the highest standard of customer service

COLLEGE VISION

Baltimore City Community College is an innovator in providing quality education for a diverse population of students to meet the challenges in an ever-changing competitive workforce and environment.

COLLEGE MISSION

Baltimore City Community College provides quality, affordable, and accessible educational opportunities with comprehensive programs that meet the professional and personal goals of students while improving communities in the greater Baltimore area.

BCCC AT A GLANCE

ACCREDITATIONS AND MEMBERSHIPS

Baltimore City Community College is regionally accredited by the Middle States Commission on Higher Education, 3624 Market Street, Philadelphia, PA 19104. (267-284-5000). The Middle States Commission on Higher Education is an institutional accrediting agency recognized by the U.S. Secretary of Education and the Council for Higher Education Accreditation.

BCCC is nationally accredited by the Association of Collegiate Business Schools and Programs (ACBSP) for the offering of the following degree programs: Accounting, Business Administration Transfer, Business Management, Business Marketing, and Computer Information Systems.

The Dental Hygiene Program is accredited by the American Dental Association Commission on Dental Accreditation.

The Health Information Technology Program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).

The Nursing Programs are on the list of approved schools of nursing published by the Maryland Board of Nursing. Full accreditation of the Associate Degree in Nursing Program from the Accreditation Commission for Education in Nursing (ACEN) is maintained.

The Paramedicine Program is an EMS Education Program approved by the Maryland Institute for Emergency Medical Services Systems as required by the Code of Maryland Regulations (COMAR). Also, the Baltimore City Community College has been issued a Letter of Review by the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP). This letter is NOT a CAAHEP accreditation status, it is a status signifying that a program seeking initial accreditation has demonstrated sufficient compliance with the accreditation Standards through the Letter of Review Self Study Report (LSSR) and other documentation. Letter of Review is recognized by the National Registry of Emergency Medical Technicians (NREMT) for eligibility to take the NREMT's Paramedic credentialing examinations. However, it is NOT a guarantee of eventual accreditation.

The Physical Therapist Assistant Program is approved by the Commission on Accreditation in Physical Therapy Education/ American Physical Therapy Association (CAPTE/ APTA).

The Respiratory Care Program is accredited by the Committee of Accreditation for Respiratory Care (CoARC).

The Surgical Technology Program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) in cooperation with the Accreditation Review Council on Education in Surgical Technology and Surgical Assisting.

The National Association of Radio and Telecommunication Engineers (NARTE) recognizes BCCC as an "Electronics and Telecommunications Technology Institution." Graduates of the Associate degree programs in Electronics Technology and in Telecommunications Technology are eligible without testing for Technician Class III Certification.

ALUMNI RELATIONS

Liberty Campus
West Pavilion, Room 304
410-209-6056

The College's Alumni Relations Office was established in Spring 1998 by action of the Board of Trustees with the primary goal of creating, preserving, and strengthening relationships between the College and its alumni through volunteer involvement, communication services, and events.

The Alumni Relations Office is responsible for the establishment and on-going support of the Alumni Association of Baltimore City Community College. The Office ensures continued communication and programming to enhance loyalty and commitment to BCCC among alumni and friends of the College.

CAREER DEVELOPMENT AND JOB PLACEMENT

Liberty Campus
Main Building, Room 110
410-462-8503

The Graduate Quality Assurance Guarantee is designed to assure students and employers that career program graduates will be competent in the performance of their work. First, if a graduate of a career program who is seeking employment does not have a full-time job within their field of study within 90 days after graduation, the College will provide an additional 12 credits of coursework and other support services at no cost to the student. Second, if an employer is not satisfied with the quality of job performance of a career program graduate, BCCC will provide an additional 12 credits of instruction at no charge to the student or the employer.

NON-DISCRIMINATION POLICY

Baltimore City Community College is committed to a policy of eliminating unlawful discrimination on grounds of race, color, religion, creed, gender, sexual orientation, marital status, age, ancestry or national origin, or disability in the administration of any of its educational programs, services or activities, or with respect to employment. BCCC seeks to foster positive human relations among all groups within its community, to develop positive and creative human relations programs and educational activities, and to eliminate all forms of discrimination.

INCLEMENT WEATHER POLICY

Closing and delay information will be made available to the media no later than 5:00 a.m. (EST) for weather events affecting day operations and as soon as possible for weather events that arise during the course of daily operations. The following media will be notified:

WMAR TV 2 WBFF TV 45 WBJC 91.5 FM
WBAL TV 11 WJLA TV 7 WBAL 1090 AM
WJZ TV 13 WSMJ 104.3 FM WTOP 1500 AM
WGMS 103.5 FM WTOP 107.7
www.baltimoreesun.com www.wbal.com
www.wtopnews.com

Messages will also be posted on the College's website at www.bccc.edu; on the information line at 410-462-8300; and delivered by e2Campus for registered users. Announcements for evening classes will start as soon as possible or by 3 p.m.

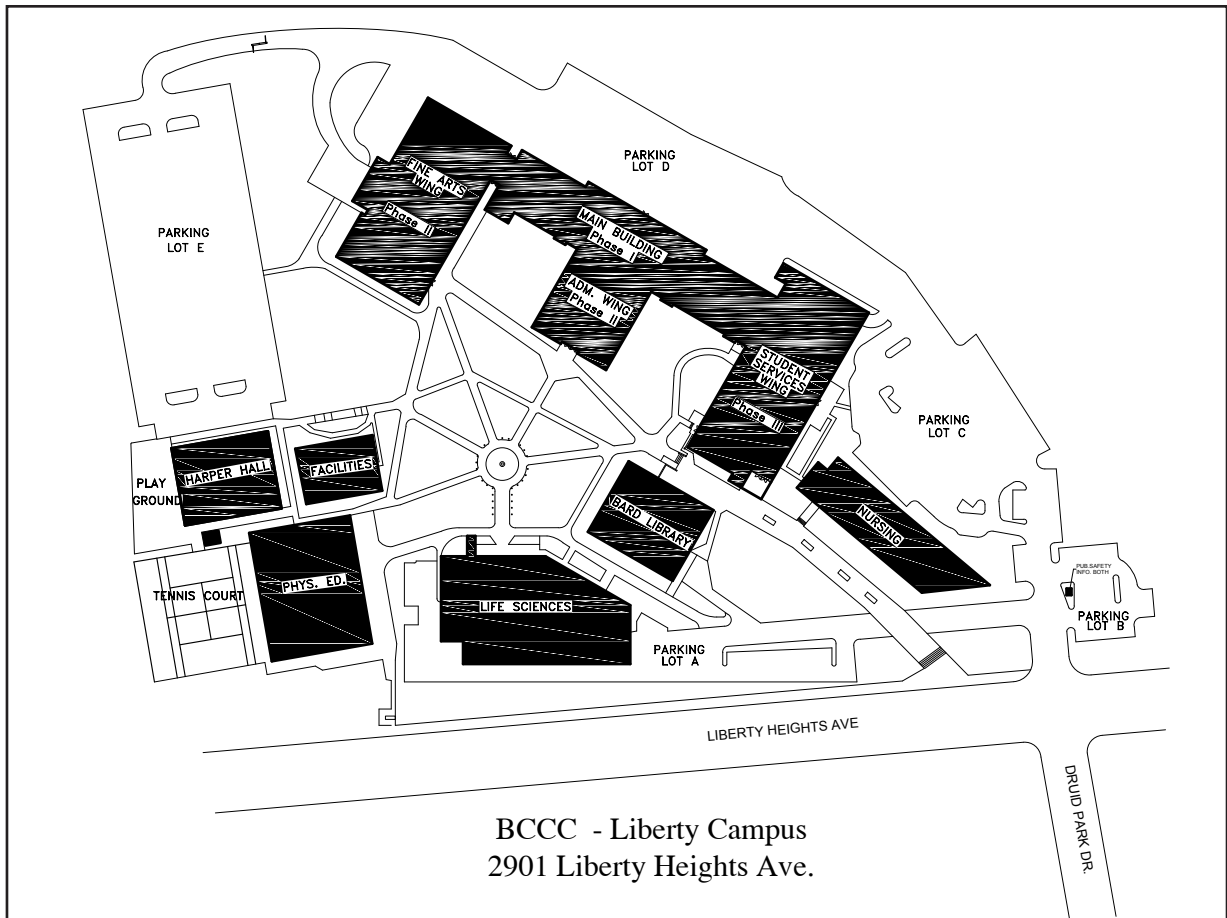
EMERGENCY TEXT MESSAGING SERVICE

Baltimore City Community College announces e2Campus. BCCC has an emergency text messaging service and it's free to register! Get added security and notification by registering through: www.bccc.edu or www.e2campus.com/my/bccc. Campus Facilities

CAMPUS FACILITIES

Baltimore City Community College has a main campus in Northwest Baltimore with additional locations throughout the City. The College's Liberty Main Campus, located at 2901 Liberty Heights Avenue, is situated on 19 acres. Buildings on the Liberty Campus include the Main Building, Nursing Building, Life Sciences Building, Physical Education Center, Bard Library and Harper Hall. The Main Building, the oldest and largest facility, is undergoing a three-phase renovation—much of which is complete and already open—that will make it a state-of-the-art instructional, administrative office, and student service complex. The building houses: Student Affairs- Recruitment, Admissions and Registration, Registrar, Veterans Affairs, Student Activities, the Student Success Center; Financial Aid, Student Accounting, General Accounting, and Cashier; Public Safety; and Academic Affairs. The Main Building also has classrooms, instructional labs, an open computer lab, faculty offices, a fine arts gallery, the Fine Arts Theater, cafeteria, student activities areas, bookstore, health center, game room, ATM, vending area, and telephones.

Harper Hall- home to Student Support and Wellness Services, e-Learning, and the Clarence W. Blount Child



BCCC AT A GLANCE

Development Center will temporarily house various offices, classrooms, and student service facilities as they are renovated. Each construction phase is expected to take approximately one and one half years to complete.

The newest Liberty Campus permanent structure is the Life Sciences Building, completed and dedicated at the College's 50th Anniversary Celebration in 1997. It houses state-of-the-art mathematics, science, and allied health and life sciences labs, classrooms, and faculty offices, as well as the offices of the William Donald Schaefer Life Sciences Institute.

The Nursing Building includes classrooms, labs, offices, and the Gaare Auditorium. The campus also includes the Bard Library and the Physical Education Center (PEC). When not scheduled for regular classes, PEC facilities, such as the weight room for fitness and exercise, and the basketball court open gym, are available to all students and staff. The Liberty Campus has parking lots for students and staff surrounding the buildings.

The Business and Continuing Education Division is located in Baltimore's downtown Inner Harbor at 710 E. Lombard Street, houses the College's Business Training Center, Adult and Continuing Education Program offices, and English Language Services.

The Reisterstown Plaza Center (RPC), in northwest Baltimore, contains specialized multimedia classrooms, two computer labs, a conference room, and a comfortable student lounge. Non-credit ABE, ESL, Citizenship, and Workforce courses are offered morning, noon and night, six days a week, to meet education and training needs at all levels. Plenty of free parking is available with easy access to the Baltimore Beltway. RPC is easily reached by Metro and MTA.

BCCC is committed to providing accessibility to the physically challenged at all college facilities. Each

Disclaimer

While this catalog was prepared on the basis of the best information available at the time, Baltimore City Community College reserves the right to change any information, including statement of fees, course offerings and admission and graduation requirements, without notice or obligation, in keeping with the policies of the Board of Trustees and in conformance with the laws of the state of Maryland. This catalog is not a legal document and does not constitute a contract between Baltimore City Community College and the user.



BCCC - Liberty Campus
2901 Liberty Heights Ave.

new project or renovation is designed to comply with applicable Americans With Disabilities Act (ADA) regulations and life safety standards. Wherever barriers are encountered, BCCC takes appropriate action to implement barrier free access, ensuring all persons are accommodated equally.

BCCC is easily accessible by both public transportation and a free shuttle (for BCCC students, faculty and staff) between its three main sites, the Liberty Campus in West Baltimore, and the Business and Continuing Education Division located in downtown's Inner Harbor and the Life Science Institute at UMB BioPark on West Baltimore Street. Use of BCCC's facilities is open to community groups. Call 410-462-8393 for more information.

BCCC has designated smoking areas and is a drug-free campus. See General Policies, page 168 for full policies.

ENROLLMENT

ADMISSIONS

Liberty Campus
Main Building
Room 02
410-462-8300

The Business and Continuing Education Division
710 E. Lombard Street
Room 4
410-986-5451

SCHEDULE PRE-ADMISSION ADVISING

Talk to a helpful admissions officer about career opportunities, steps to enrollment, financial aid, health/wellness services, disability support, curriculum options, how to get help from your academic advisor, and how to find your way around campus.

APPLY FOR ADMISSIONS

To be admitted to BCCC the following steps must be completed as early as possible and well before the semester when admission is desired.

1. Submit an Admissions Application.
2. Submit a Maryland Residency Verification form with appropriate proof of residency.
3. Submit appropriate academic credentials:
 - An official high school transcript indicating date of graduation or
 - General Equivalency Diploma GED® indicating scores and date of completion.
 - An official college transcript from each college attended (if applicable)
 - ACT and SAT scores (may exempt students from ACCUPLACER Placement Test)

Degree-Seeking Students must be age 16 or older. Students under the age of 16 must contact the Director of Admissions for special admissions requirements.

The admissions application and residency verification forms are available in the Admissions Office on each campus or on the BCCC website www.bccc.edu.

VISITING STUDENTS

Students currently enrolled at another college or university who wish to earn credits at Baltimore City Community College for transfer to that college or university should obtain advance written approval from the appropriate academic department of the college or university they now attend.

Students should also bring official or unofficial copies of their transcripts to the Admissions Office to satisfy any prerequisite or co-requisite requirements.

FULL-TIME AND PART-TIME STATUS

Full-time students take a minimum of 12 credits each semester. Any student taking fewer than 12 credits is considered a part-time student.

Note: In order to complete the requirements for the associate degree in two years, students usually take 15-18 credits per semester, depending on the area of study.

Students seeking admission on F-1 student visa should refer to special admissions requirements under "International Students", discussed later in this section.

THE TEST CENTER

Liberty Campus
Main Building, Room 57
410-462-7666

ACCUPLACER PLACEMENT TESTING

Students attending BCCC for the first time and intending to enroll in a degree or certificate program must take the College's ACCUPLACER skills assessment test before being advised by an academic adviser and registering for classes. Preparing for the ACCUPLACER test is one of the most important things you can do to ensure success in college. Your score on this test of reading, sentence skills, and mathematics skills determines your college readiness. Students who prepare/study for the ACCUPLACER test tend to score higher than those who do not.

Information for ACCUPLACER review is available online at www.bccc.edu/testcenter.

To schedule an appointment for the ACCUPLACER test, visit www.bccc.edu/testcenter.

The following students may be exempt from taking the ACCUPLACER: The following students are exempt from taking the ACCUPLACER:

1. Students who score a minimum of 500 in Math, 500 in Critical Reading, and 500 in Writing on the SAT or at minimum composite score of 21 in Math and 21 in Language on the ACT;
2. Students transferring credits in English and mathematics from other colleges, after their transcripts have been received and evaluated by BCCC's Office of Admissions;
3. Students who are not seeking an Associate degree or a certificate and have not accumulated 15 or more credits;
4. Students who are seeking a certificate program that does not require English, Reading and Mathematics as a prerequisite;
5. Students who have a degree (Associate of Arts, Associate of Science, Bachelor of Arts, Bachelor of Science or higher) from an Accredited higher educational institution.

LOEP PLACEMENT TESTING (ESL)

Foreign-born students whose first language is not English take the Level of English Proficiency (LOEP) placement test at the Business and Continuing Education Division Harbor location. For more information, call English Language Instruction (ELI) at 410-986-5434.

CREDIT-BY-EXAMINATION

Credit-by-Examination is available through the College's own departmental exams and through the College Level Examination Program (CLEP) as alternatives to taking courses or to earn credits for other collegiate or "life" experiences. Contact the Test Center and individual academic departments about specific department exams or departmentally approved CLEP exams. The total number of credits earned through examination and/or transfer may not exceed 45.

COMPUTER LITERACY TEST

The Test Center administers the Computer Literacy Test, which enables BCCC students to fulfill the computer literacy graduation requirement. Students must pass the test with a minimum grade of 70% and this test can be taken two times. The Computer Literacy Test is one of two ways to meet the computer literacy graduation requirement. The other way to meet the requirement is by taking one of the computer literacy graduation requirement courses and passing with a grade of "C" or better. These courses are listed in this Catalog under Computer Literacy Requirements.

DEPARTMENTAL AND EXAMINATIONS FOR STUDENTS FROM OTHER COLLEGES

Departmental Exams are administered for on-line courses and make-up examinations at the request of faculty for BCCC students. Students are encouraged to schedule test appointments online.

Distance Learning Examinations are for students from other colleges who would like to have their test administered at BCCC. Students must request that the primary institution submit the examination to the Test Center by email at testcenter@bccc.edu. These examinations are administered by the Test Center staff. Students are encouraged to schedule test appointments online at www.bccc.edu/testcenter. For further details, please call 410-462-7666 or email testcenter@bccc.edu.

EARLY ENROLLMENT/DUAL ENROLLMENT FOR HIGH SCHOOL STUDENTS

Liberty Campus

Main Building, Room 02

410-462-8300

- Dual Enrollment participants must be of age 16 or older; participants under age of 16 and their parent/guardian must meet with the Director of Admissions prior to enrollment.
- All participants must Apply for Admission
- Participants must test at the college-level in one of two areas (Writing and/or Mathematics) of the Accuplacer Placement Test (ie; ENG 101 and/or MAT 107, MAT 128, etc).
- First-time participants may enroll in up to 4 credits only during their initial enrollment including the Preparation for Academic Achievement course (PRE 100)
- Dually Enrolled 9th and 10th grade participants are eligible in the spring semester to enroll in up to 4 credits including the Preparation for Academic Achievement course (PRE 100)
- Returning 9th, 10th and 11th grade participants are eligible to enroll in up to 4 credits in each of the fall and spring semesters.
- Returning 12th grade participants are eligible to enroll in a maximum of two courses up to 8 credits in each of the fall and spring semesters.
- Summer participants may only enroll in one course up to 4 credits; 25 slots will be available for summer participants.
- Program applications must be submitted to the Admissions Office at least one week prior to the scheduled placement test.
- The deadlines for placement testing for Summer is May 1; Fall is July 1; and Spring is December 1
- Participants must register for classes with an Admissions Officer. Students who do not register with a BCCC Admissions Officer will be responsible for all costs incurred during registration.
- Participants who modify their schedule after submission to the Admissions Office will be held responsible for payment of all fees incurred.
- Participants must attend a mandatory Early Enrollment Orientation/Information session each semester.
- Participants who intend to drop or withdraw from classes must meet with an Admissions Officer or the Director of Admissions. Participants will be responsible for all non-refundable tuition and fees incurred.
- Participants who do not complete a course with a grade of C or above will be responsible for payment in full of tuition, fees and books incurred for the course.
- Participants must maintain a Baltimore City Community College cumulative grade point average of 2.0.
- Book awards are estimates and students must be prepared to pay the difference up to \$20.00.

ENROLLMENT

Early Enrollment Scholarship awards are based on availability of funds and awards will not exceed \$1,000.00 an academic year (fall and spring semesters). **Students enrolled in a Baltimore City Public School are not subject to award limits.**

INTERNATIONAL STUDENTS

**Liberty Campus
Main Building, Room 02
410-462-8300**

BCCC follows the admissions standards for international students recommended by the American Association of College Registrars and Admissions Officers. International Students applying to BCCC must:

- Follow the regular admissions procedure.
- Direct all correspondence to the International Student Advisor.
- Submit the BCCC Statement of Financial Support and Address Verification Statement.
- Submit to the International Student Advisor complete, official, and translated transcripts and support materials from all secondary schools and universities. (All overseas college transcripts must be evaluated by an accredited evaluation service.)
- International students living in the United States must apply at least 60 days before the beginning of classes. Those living outside the United States must make application at least 90 days in advance.

International student applicants whose ACCUPLACER Placement tests scores indicate a need for improved academic English language skills will be referred to participate in BCCC's English Language Instruction (ELI) courses. International students enrolled in BCCC academic programs or in ELI courses must maintain a full-time course load (at least 12 credits).

MILITARY SERVICE MEMBERS, VETERANS AND DEPENDENTS

**Liberty Campus
Main Building, Room 07
410-462-8372**

The Veterans Affairs Office provides information on and the processing of educational benefits for eligible veterans, reservists, and veterans' dependents. Advisement and information on veteran work-study opportunities are also available. In order to establish and maintain eligibility, veterans must:

- Complete the admissions process, making certain that an official high school transcript/ GED® certification is and college/military transcripts are on file with the Admissions Office
- Take the ACCUPLACER and ACCUPLACER Placement tests (if applicable)
- Bring DD214 for new applicants or the DD2384 (NOBE) for reservists
- Bring copy of the Certificate of Eligibility

- Enroll in an approved program
- Be prepared to pay by personal check, money order, cash, credit card, financial aid, advance payment, or deferred tuition loan (if available)
- Bring a copy of the paid bill to the Veterans Affairs Office
- Report all program changes to the Veterans Affairs Office
- Take only those courses required for completion of the chosen program
- Report withdrawal from any courses or from the College to the Veterans Affairs Office
- Maintain satisfactory academic progress. Veterans' educational benefits are not available for repeating courses if a grade of D or better was earned.

Failure to follow these procedures will result in delays of VA certification and will place benefits in jeopardy.

STUDENTS TRANSFERRING TO BCCC

**Liberty Campus
Main Building, Room 02
410-462-8300**

BCCC welcomes transfer students. After the Admissions Application is received, the Office of Admissions evaluates all courses which students seek to transfer to BCCC. Credit is granted for General Education Requirements and courses that are applicable to a BCCC associate degree or certificate program.

GENERAL TRANSFER POLICY

It is the policy of Baltimore City Community College that students who have successfully completed college level courses at a regionally accredited college or university will receive credit toward an associate degree or certificate. In addition, exemption from relevant placement tests will be granted. The total number of credits that may be allocated toward an associate degree is 45. The credits awarded for a certificate is half of the total required hours. Students can earn up to 30 of these transfer hours through transfer of nontraditional credit. BCCC may award transfer credit from regionally accredited institutions and from institutions that are candidates for regional accreditation. Course work completed at degree-granting and non-degree-granting higher education institutions that are not regionally accredited but hold national or specialized accreditation recognized by the U.S. Department of Education and/or the Council for Higher Education Accreditation may be considered for transfer credit on a case-by-case basis.

Transcripts may be sent via email to transcripteval@bccc.edu or submitted to Baltimore City Community College, Admissions Office, Room MNB 02, 2901 Liberty Heights Avenue, Baltimore, MD 21215.

Students may review the full transfer policy on page ___ or at www.bccc.edu/Admissions

TRANSFER TO HOME COLLEGE OR UNIVERSITY

Students currently enrolled at another college or university who wish to earn credits at Baltimore City

Community College for transfer to that college or university should obtain advance written approval from the appropriate academic department of the college or university they now attend. Students should also bring official or unofficial copies of their transcripts to the Office of Admissions to satisfy any prerequisite or co-requisite requirements.

MANDATORY NEW STUDENT ORIENTATION

**Liberty Campus
Main Building, Room 02
410-462-8300**

All first-time students attend a mandatory New Student Orientation. Students may choose to either attend a session on campus or a session online. Students who attend one of our on-campus sessions will receive an introduction to the College, visit the website for more information www.bccc.edu.

REGISTRAR'S OFFICE

Liberty Campus Main Building Room 08 410-462-7777	Harbor 710 E. Lombard Street Room 4 410-986-5421
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The Registrar's Office is where students register for courses. An advisor's signature is required for walk-in registration prior to enrolling for classes. See the most recent Schedule of Credit Courses for registration dates, schedule adjustment dates, and procedures for registration. This office is also responsible for mailing transcripts, posting grades, maintaining students' academic histories, and processing graduation applications.

REGISTRATION GUIDELINES

Students may register for credit classes during any regularly scheduled registration period. Registration dates and times are listed on the Baltimore City Community College (BCCC) Website www.bccc.edu under the academic calendar or by calling the Registrar's Office at 410-462-7777.

Students may also register for non credit courses during normal hours of operation. Note: payment is due at the time of registration.

First time students must complete a mandatory new student orientation session prior to enrolling for classes. Students can complete the orientation online via the College's LMS or in person. Please contact the First Year Experience Office for more information.

There are several methods of registration:

REGISTER IN PERSON

Students may come to campus to register for courses. First, students must meet with their assigned academic advisor or with an advisor at the Student Success Center. Students complete a registration form with the guidance of their academic advisor. The registra-

tion form must be signed by the advisor and brought to room 8 in the Main Building to be processed. Afterwards, the student will receive a schedule and bill.

REGISTER ONLINE

With online registration, students are able to enjoy the convenience of registering for their BCCC courses on their PC at home, at work, on campus, or anywhere that has a computer with an Internet connection. New and continuing BCCC students who have completed new student orientation, are in good academic standing, and have satisfied all pre-requisites (including developmental courses) can register online by following these easy six steps:

1. Access the BCCC student portal:
www.bccc.edu/pantherportal
2. Before you start, it is best to have your course(s) and index number ready. You can conduct a course search by clicking credit course search on the left side of the student portal Website, enter the corresponding semester information (session, department, course ID), and clicking submit.
3. At the student information portal, select registration and enter your social security number and pin (this is a 4 digit number consisting of your birth month and last two digits of the year). Click submit information.
4. Next click continue, select appropriate semester/ session and click submit information
5. After reading the top of the page, scroll down to the worksheet and add course index numbers and click on update worksheet to show course schedule. Repeat as necessary to add/ drop courses.
6. On the college student registration worksheet, click post registration to finalize registration and generate registration/confirmation which includes tuition and fees
7. Print a copy for your records.

STUDENT RECORDS

**Liberty Campus
Main Building, Room 08
410-462-7777**

BCCC is in full compliance with the provisions of the Family Educational Rights and Privacy Act of 1974, Public Law 90- 247, as amended. A more detailed version of these rights is printed on p. 174 of this Catalog. Transcripts are available upon submission of a Transcript Request form in the Student Accounting office and payment of \$5 per transcript to the Cashier. Transcripts will not be released if there is an outstanding financial obligation to the College.

As a student, you have the following rights with respect to your education records under the Family Educational Rights and Privacy Act (FERPA):

1. The right to inspect and review your education records.

TUITION AND FINANCIAL AID

- The right to request amendment of your education records to ensure that the records are not inaccurate, misleading, or otherwise in violation of your privacy.
- The right to consent to disclosures of personally identifiable information and education records, except to the extent that FERPA authorizes disclosure without consent.
- The right to obtain a copy of Baltimore City Community College's Institutional Compliance Statement from the Registrar's Office, Liberty Main Building 08.

SEMESTER GRADES

Students can obtain semester final grades after posting by visiting the BCCC "Student Portal" website at: www.bccc.edu/pantherportal

TUITION AND FEES

TUITION

FOR THE SUMMER 1 AND SUMMER 2 2017 SESSION

Maryland Residents..... \$106/ credit hour

Out-of-State and Foreign

Non-Immigrant Residents..... \$270/ credit hour

*Students from foreign countries who enter the College with a student or non-immigrant visa are classified as Out-of-State regardless of age or length of time residing in Maryland.

**Effective the Spring 2016 Semester. After 12 hours of payment of tuition and fees, students will be allowed up to 6 hours with no additional cost in tuition and fees for both in-state and out-of-state.

FOR THE FALL 2017 SEMESTER

Maryland Residents.....\$110/ credit hour

Out-of-State and Foreign

Non-Immigrant Residents..... \$280/ credit hour

*Students from foreign countries who enter the College with a student or non-immigrant visa are classified as Out-of-State regardless of age or length of time residing in Maryland.

**Effective the Spring 2016 Semester. After 12 hours of payment of tuition and fees, students will be allowed up to 6 hours with no additional cost in tuition and fees for both in-state and out-of-state.

FEES

THE FOLLOWING FEES ARE NON-REFUNDABLE

Commencement Participation Fee\$25.00
(paid by all applicants who wish to participate in the graduation ceremony)

Registration Fee \$26.00
(a one-time fee per semester for students who register for classes)

All replacement ID's and parking Permits..... \$ 5.00
Parking Fees:

Spring and Fall full-time students: \$25.00

Spring and Fall part-time students:..... \$15.00

Summer (New Students Only):..... \$15.00

THE FOLLOWING FEES ARE REFUNDABLE PRIOR TO THE START OF EACH SEMESTER'S SESSION

Consolidated Fee Per Credit \$18.00
Facilities Capital Fee Per Semester..... \$11.00

OTHER FEES

In House Deferred Payment Fee..... \$20.00
(a one-time fee per semester to defer payment)

Course Audit Fee: same as tuition per credit hour

Returned Check Fee..... \$25.00
(a per transaction fee if a student's check has been returned from their bank)

Diploma Replacement Fee \$20.00

Transcript Fee..... \$5.00
(a per transaction fee to process and send students' transcript request)

Testing Center: Effective the Fall 2017 semester

Please note: Online scheduling fee is an additional \$3.00

BCCC Students:

Proctoring Fee (TEAS, ParaPro, CLEP, etc.)..... \$25.00

Non-BCCC Students:

Proctoring Fee (Accuplacer Remote, CLEP, ParaPro, etc.) \$35.00

Examinations (for Students from Other Colleges, etc.)..... \$35.00

Academic Exams

BCCC Students:

Credit by Examination (Science, Nursing and Writing courses)..... \$35.00

Credit by Examination (All other courses)..... \$25.00

Non-BCCC Students:

Credit by Examination (Science, Nursing and Writing courses)..... \$45.00

Credit by Examination (All other courses)..... \$35.00

After 90 days, uncollected debts are sent to the State's Central Collection Unit. Costs incurred in collecting delinquent accounts will be charged to the student. The collection fee is 17% of the unpaid balance plus any attorney and court costs. The College will not write off a student's bankruptcy until the discharge has been approved by the State Attorney General's Office.

NOTE: Maryland residents age 60 and over

Credit courses: no tuition, \$20 administrative fee, and other mandatory fees per course

Non-credit courses: \$10 fee plus other mandatory fees per course

NOTE: The College reserves the right to change tuition and fees, revise course content, cancel classes, and change instructor assignments without prior notice. Enrollment is not official until payment has been made.

Student Refunds

Non-financial aid refunds are processed at the end of the final add/drop period for each semester as dictated by the Academic Calendar. All refund checks are submitted through the State of Maryland and processed by Annapolis at this time. Refunds are based on the College's refund policy. Students who have debts owed to the State of Maryland are subject to garnishment. The Academic Calendar is located at <http://www.bccc.edu/academiccalendar>

www.bccc.edu/academicinfo

Financial aid refunds are processed by a 3rd party Heartland/ECSI. Heartland/ECSI will send an email to eligible students to choose their method of refund (i.e. direct deposit or paper check).

Withdrawal and Refund Policies

CREDIT COURSES

Students dropping or withdrawing from a credit course may be eligible for a tuition refund. Refund information appears on students' bills. The amount of refund is determined by the date on which the Add/Drop/Withdrawal form is received in the Registrar's Office, according to the following schedule for 16-week Fall and Spring regular semesters:

First week of the semester.....	100% refund
Second week.....	50% refund
Third week.....	25% refund

No refunds are made after the third week of the semester.

The refund schedule for sessions shorter than the regular 16-week semester is as follows:

Second day.....	100% refund
Third day.....	50% refund
Fourth day.....	25% refund

No refunds are made after the fourth day.

The complete refund policy is available in the Student Accounting Office.

NOTE: The above refund policy does not apply to students who are receiving federal or state financial aid. Financial Aid recipients are subject to the Federal Return to Title IV (R2T4) refund calculation and will have different withdrawal percentages. Details are available in the Financial Aid Office.

NON-CREDIT COURSES

If the College cancels a non-credit Continuing Education course, 100% of the tuition and fees will be refunded. If a student formally withdraws from a non-credit course before the first class meeting, the College will refund 100% of the tuition and fees. Refunds are not possible from the first class meeting.

Add/Drop/Withdrawal Procedure

Students dropping or withdrawing from courses must complete and file an ADD/DROP/Withdrawal Form. Failure to file will result in F grades and a bill for the courses. Stopping payment on a check, failure to pay the semester bill, or failure to attend classes does not constitute withdrawal.

ADD/DROP can be done during regular registration period office hours with a 100% tuition refund any time before classes begin. All fees are non-refundable, effective the first day of classes.

Pick up ADD/DROP/Withdrawal forms in the Student Success Center, Liberty Main 020. Return completed ADD/DROP/Withdrawal forms to the Registrar's Office, Liberty Main Building 08.

TUITION WAIVERS

Baltimore City Community College waives 50% of the tuition rate for credit courses for members of the Maryland National Guard, provided that regularly scheduled course space is available, the member of the Maryland National Guard is enrolled at the College, and the Maryland Adjutant General has certified that the member has at least 24 months remaining to serve or has agreed in writing to serve for a minimum of 24 months.

SENIOR WAIVERS

Seniors add to the diversity of our learning community and are welcome at Baltimore City Community College. In accordance with Maryland State statute, all BCCC students aged 60 years and older are eligible for the BCCC Senior Citizen Tuition Waiver. This waiver exempts senior citizen students from the payment of tuition for classes. Senior students are eligible to register on a seats available basis for credit courses.

SENIOR CITIZEN TUITION WAIVER GUIDELINES

- The senior tuition waiver may be used on a space available basis only.
- Students may not pre-register for courses for which they plan to use a Senior Citizen Tuition Waiver.
- **Senior citizen students who choose to register earlier than the last two days of general registration may do so, and pay the full cost of tuition and fees by completing the Senior Citizen Payment Agreement Form located in the Registrar's Office or Student Success Center at Liberty Campus.**

Senior citizen students should follow the procedures below for registration:

- See an advisor to approve and check availability of course(s)
- Register during the last two days of the general registration period for a given semester/session. (Check Schedule of Classes for dates)

For additional information about the Senior Citizen Tuition Waiver, please contact the Registrar's Office at 410-462-7777.

STUDENT DEBTS TO THE COLLEGE

Debts incurred during any semester must be paid before a student can register for a subsequent semester. BCCC will deny requests for academic transcripts or diplomas until all debts are cleared. Outstanding debts will be deducted from any refund due the student. After 90 days, uncollected debts are sent to the State's Central Collection Unit. Costs incurred in collecting delinquent accounts will be charged to the student. The collection fee is 17% of the unpaid balance plus any attorney and court costs. The College will not write off a student's bankruptcy until the discharge has been approved by the State Attorney General's Office.

TUITION AND FINANCIAL AID

BAD CHECK POLICY

Any person writing a bad check will not be allowed to write checks to satisfy debts or make purchases; a certified check, money order, or cash must be used. Any person writing a second bad check will not be allowed to write checks to BCCC. After 90 days without payment, the debt will be referred to the State of Maryland's Central Collection Unit and a 17% collection fee will be added plus any attorney and court costs.

STUDENT ACCOUNT ADJUSTMENT REQUEST

The College permits adjustment to a student's account in the form of a refund based on the Withdrawal and Refund policies for credit courses. Additionally, a student's account may be adjusted for extraordinary circumstances causing exceptions to those policies. An Appeal Request for such exceptions must be submitted immediately, and no request will be considered more than one year beyond the semester in question. According to the College Affordability Act of 2016, Baltimore City Community College does not have the ability to forgive debts owed to the State of Maryland. Students who complete a medical withdrawal may be responsible for Tuition and Fees after the withdrawal is processed. Forms may be obtained from the Student Accounting Office, Liberty Campus Main Building Room 027.

STATEMENT OF RESIDENCY

Baltimore City Community College assesses tuition on the basis of residence. A person who has been domiciled in the state of Maryland for a period of not less than three consecutive months prior to the date of enrollment at the College shall be considered a state resident. Domicile is defined as a person's permanent place of abode where physical presence and possessions are maintained and where the person intends to remain indefinitely. Additionally, the domicile of any student who received more than one-half of his or her financial support from others within the last 12 months is the domicile of the person contributing the greatest portion of support, without regard to whether the parties are related by blood or marriage and without regard to student's current address.

MILITARY AND VETERANS

- Military personnel and their dependents will be considered domiciled in the state of Maryland if they are domiciled in the state of Maryland at the time of entry into the service or if they are currently stationed in the state of Maryland and remain on active duty.
- A Veteran using educational assistance under either Chapter 30 (Montgomery G.I. Bill- Active Duty Program) or Chapter 33 (Post 9/11 G.I. Bill), title 38, United States Code, who lives in Maryland while attending a school located in Maryland (regardless of his/her formal State of residence) and enrolls in the school within three years of discharge or release from a period of active duty service of 90 days or more.
- Anyone using transferred Post 9/11 benefits (38 U.S.C. § 3319) who lives in Maryland while attending a school located in Maryland (regardless of his/her formal State of residence) and enrolls in the school within three years of the transferor's discharge or release from a period of active duty service of 90 days or more.
- Anyone described above while he or she remains continuously enrolled (other than during regularly scheduled breaks between courses, semesters, or terms) at the same institution. The person so described must have enrolled in the institution prior to the expiration of the three year period following discharge or release as described above and must be using educational benefits under either Chapter 30 or Chapter 33, of title 38 United States Code.

- Anyone using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (38 U.S.C. § 3311 (b)(9)) who lives in Maryland while attending a school located in Maryland (regardless of his/her formal State of residence)
- Anyone using transferred Post 9/11 G.I. Bill benefits (38 U.S.C. § 3319) who lives in Maryland while attending a school located in Maryland (regardless of his/her formal state of residence) and the transferor is a member of the uniformed service who is serving on active duty.

DREAM ACT

An individual qualifies under the Maryland Dream ACT, which provides the opportunity for some non-U.S. citizens who attended high school in Maryland to receive in-state tuition. In order to qualify for this exemption, students must meet the following requirements:

1. Provides official high school transcripts indicating attendance at a public or nonpublic high school in Maryland for at least 3 academic years not earlier than the 2005-2006 school year;
2. Graduated from a public or nonpublic high school in Maryland or receiving the equivalent of a high school diploma from the State not earlier than the 2007-2008 school year (official transcript indicating date of graduation is required);
3. Enrolls in the college within four years after graduating from a public or nonpublic secondary school in the State or receiving the equivalent of a high school diploma in the State;
4. Provides documentation that the individual, or the individual's parent or legal guardian has filed a Maryland income tax return, annually for the 3 years that coincide with the individual's attendance at a public or nonpublic secondary school in the State (home schooled students are subject to this requirement in the same manner);
 - a. annually each year between secondary school attendance and enrolling at the college, and
 - b. annually while attending a community college;
5. Provides an affidavit stating that the individual will file an application to become a permanent resident within 30 days after the individual becomes eligible to do so;
6. Provides proof that the individual has registered with the selective service system. (This currently applies to all males 18 – 25. Proof of selective service registration can be obtained by filing with the Post Office and returning a receipt to the college that shows proof of registration or by providing a selective service card.). Once you are determined to be eligible for the exemption, you will continue to receive it as long as you fulfill the eligibility requirements or until the college no longer offers this exemption. The exemption permits undocumented individuals to pay the in-state tuition rate based on the location of your high school. If you have received a GED, the tuition rate would be based on where you most recently

attended high school. To determine eligibility students must complete and submit the BCCC Dream Act Student Affidavit with all required documentation to the Admissions Office. Applying for the exemption does not alter your responsibility to pay by the college deadline any nonresident tuition and associated fees that may be due before your eligibility is determined.

NON-CREDIT STUDENTS

In establishing the domicile of a person enrolling in a non-credit continuing education course, that person shall indicate on a signed registration document affirming whether he/she is a resident of Maryland. That student must then adhere to the same criteria for proof of residence as a credit student at Baltimore City Community College.

CONTRACTED EDUCATION TRAINING

Baltimore City Community College may enter into contract with any public or private sector employer or non-profit organization that maintains facilities, operates or does business in the State to provide education or training for public or private sector employees or members for a set contractual fee in place of payment of tuition and fees under the following conditions:

- A. The employee or member is enrolled in credit or non-credit courses which will benefit the employer;
- B. The employer or non-profit organization pays the fees charged by the College;
- C. The fee reasonably reflects the usual cost borne by the students in the same or similar courses;
- D. The employees or members enrolled under this program shall be treated as any other students in accordance with the Baltimore City Community College policies and procedures and the general policies of the Board of Trustees with the exception of payment of tuition.
- E. Contractual arrangements under this section may include customized training as well as employer paid tuition and tuition reimbursement plans.

FOREIGN NATIONALS

A foreign national admitted to the United States on a temporary student or visitor visa may not be considered a Maryland resident. It is the responsibility of the student enrolling at the College to declare the proper residency status. Students are required to sign a statement verifying their residency. The burden of proof of domicile is upon the student who provided the documentation which substantiates his/her claim. A student who is discovered to have been improperly classified as a state resident will be reclassified as an out-of-state resident and will be required to pay the College the difference in tuition. Misrepresentation of facts in order to evade payment of out-of-state resident tuition may be considered cause for disciplinary action. Some non-immigrant visa types may not be eligible for in state tuition depending upon their United States Citizenship and Immigration Services (USCIS) visa status. For more information, contact the Office of

TUITION AND FINANCIAL AID

Admissions, or refer to the BCCC website www.bccc.edu. A student failing to complete the Statement of Residency on the Admissions Application and provide appropriate documentation for residency classification will automatically be classified as an out-of-state resident for tuition purposes.

The College requires students to provide proof of residency based on, but not limited to, one or more of the following:

- Maryland driver's license address
- Motor vehicle registration address
- Address on income tax documents
- Voter registration address
- Uninterrupted presence at home address, including months when the College is not in session
- Presence of possessions at the student's residence or home rental or ownership.
- Evidence of attendance in a Maryland High School (within the academic year of admission)
- Military documentation (DD214 or Certificate of Eligibility for Montgomery G.I. Bill and Post 9/11 G.I. Bill)
- MD Dream Act Documentation
- Evidence of Immigration status in the United States

RESIDENCY APPEALS

A person is provided the opportunity to request a change in residency classification or to appeal current classification by the third week of classes or twenty percent of enrollment date for the current semester/session. Appeals for change of residency classification must be accompanied by evidence justifying such changes and must be processed prior to the end of the third week of classes or twenty percent of enrollment date for the current semester/session of enrollment. Any changes processed after the third week of classes or twenty percent of enrollment date will be effective the following semester. Appeal shall be submitted in writing to the College's Admissions Office.

METHODS OF PAYMENT AT BALTIMORE CITY COMMUNITY COLLEGE

Baltimore City Community College offers convenient options for Students, Parents and Guardians to pay tuition and fees.

Please choose a method that works best for you:

- Pay in person at the Cashiers Office: By cash, check, money order, or debit/credit card (Visa, MasterCard, Discover or American Express). Students, Parents and Guardians paying by personal checks or credit/debit card at the Cashier's window need to have a valid ID. Also, the Credit Card holder must be present. All checks are processed through TeleCheck; State Identification is required.
- Pay by mail using a check: Please make checks payable to Baltimore City Community College and send it to Attn: General Accounting 2901 Liberty Heights Ave. Baltimore, MD. 21215. Please allow

seven to ten business days for mail and processing time.

- Online Payments: Please login to your account using your Student I.D. and PIN to pay by Credit Card. You can access this through the student portal on the main page of BCCC's website.

If you have any questions or concerns, please contact the Liberty Campus Cashiers' Office Main Building room 051 or you can call 410-462-8474.

- Student Tuition Payment Plan: NELNET is an option to consider, enrolling in a plan early will result in a lower down payment and more payment options. The payment plan is offered for the Fall and Spring semesters only. There are no course restrictions. You can also include your textbooks in your payment plan. You can log onto the student portal to setup your payment plan. Go to <https://portal.bccc.edu/regent>
- Tuition Remission and Tuition Waivers: Make sure Human Resources faxed your Tuition Remission form or Waiver on the day of registration to the Student Accounting Office. The Student Accounting Office fax number is (410) 462-7477. Employee and Dependent Tuition Waivers covers tuition only. Employees and their dependents must reimburse the College if they drop a class after the refund date or receive a D or below for a BCCC credit class.
- 3rd Party Billing: If you have a 3rd party paying your tuition and fees.
- International Payments: Allows the students to wire money from outside the U.S. to Baltimore City Community College.

If you have any questions or concerns, please contact the Student Accounting Office Liberty Campus Main Building room 027 or you can call 410-462-8333.

- Financial Aid and Scholarship: If you have applied for Financial Aid and have not been awarded prior to registration, other payment arrangements must be made to ensure your placement in class.
- Scholarship: The College has several scholarship opportunities for students. To access this list visit: www.bccc.edu/tuition. Then click on the "Scholarship" link on the left menu.

If you have any questions or concerns, please contact the Financial Aid Office Liberty Campus Main Building room 24 or you can call 410-462-8500.

PURCHASING A MTA BUS PASS

Baltimore City Community College offers our students and staff the ability to purchase bus passes at our Cashier's Office. The requirements to purchase MTA bus passes are listed below. Bus pass sales are final at the time of purchase.

Students purchasing a bus pass must present a current class schedule and a Baltimore City Community College identification card.

TUITION AND FINANCIAL AID

- College monthly bus passes are \$50.00; a student must be currently enrolled the month they receive a college bus pass. A student must have six or more credits for Fall and Spring classes. Summer classes require a minimum of three credits.
- Regular monthly bus passes are \$68.00; students with fewer than six credits for Fall and Spring can purchase a regular bus pass. Staff and Faculty can also purchase this bus pass with a current Baltimore City Community College identification card.
- Disability / Senior bus passes are \$20.00; Students or Staff must present a MTA Disability / Senior card with BCCC identification. (No class credit minimum)
- Bus passes can be purchased with cash, credit cards and Financial Aid. Students purchasing bus passes with Financial Aid must complete a liability statement. The cardholder must be present if student is paying by credit card. Lost or Stolen Bus Passes require the following:
- Students who have lost their discounted college bus pass can buy one MTA regular bus pass for \$68.00, with cash or credit card only.
- Students also have to provide a police report from Baltimore City Community College's Police department.

Bus pass sale dates are posted at the Liberty Cashier Office room 51 Main Building and Room 3 at the Harbor Campus.

For further information you can contact Liberty Cashier Office at 410-462-8474

FINANCIAL AID

**Liberty Campus
Main Building, Room 24
410-462-8500**

The Financial Aid Office is dedicated to helping students and their families remove the financial barriers that may discourage them from attending college. Student financial aid is any grant, scholarship, loan, benefit, or employment opportunity provided to help students meet their educational-related expenses. Aid is provided by federal, state, and local governments. BCCC participates in most major federal and state programs. BCCC does not participate in the FFEL or Direct Loan Programs.

Through the BCCC Foundation, the College offers various scholarships and book awards, including the innovative Workforce Scholarship for working adults. Applications for Foundation Scholarships are available through the College's website at <http://www.bcccfoundation.org/Scholarships>. The College also has a "Scholarship Matrix" publication that lists various scholarships along with their criteria and deadlines for application. The most up-to-date scholarship matrix can be found online at <http://www.bcccfoundation.org/Scholarships>.

BCCC FOUNDATION, INC.

**Liberty Campus
3100 Towanda Avenue
West Pavilion, 1st floor
410-209-6059**

The amounts and types of financial aid are determined by federal, state, and local guidelines. Students and parents are expected to make a reasonable contribution toward educational expenses, based on the family's financial ability to contribute. Students are usually offered financial aid "packages" consisting of grants, scholarships, and employment. Grants and scholarships are regarded as "gift" assistance and need not be repaid. If aid is offered in the form of a job, the student is paid an hourly rate.

Federal and most state financial aid programs are based on need. Students must reapply each year for most of these programs. Awards are made on a first-come, first-served need basis. Students selected by the federal government for verification must submit the required documentation to the Financial Aid Office before eligibility is determined.

Students considering withdrawing from courses must see an academic counselor and a financial aid counselor. Course withdrawals may have a negative impact on the student's academic record, and financial aid may be reduced or canceled. Financial aid recipients have the right to appeal financial aid decisions. Details are available from the Financial Aid Office.

DEADLINES - APPLY EARLY!

Students apply for financial aid each academic year starting January 1st. Most forms of financial aid require the Free Application for Federal Student Aid (FAFSA). Students can complete the FAFSA online at www.fafsa.gov.

Applications are processed throughout the academic year, but the earlier you complete your application the better your chances of receiving aid. The best time to apply is in January or February before the fall semester of the year you plan to enroll. Please apply at least six weeks in advance of the following dates to ensure time for proper processing:

- Maryland State Scholarship: March 1
- BCCC Scholarships, Federal Work-Study, and Federal Supplemental Educational Opportunity Grant: June 1

ELIGIBILITY REQUIREMENTS

Being eligible does not guarantee you will receive an award.

To be eligible to receive financial aid, you must:

- Be a U.S. citizen or an eligible non-citizen
- Be a high school graduate or have earned an equivalent diploma
- Be enrolled as a regular student in an eligible program
- Be making satisfactory academic progress

TUITION AND FINANCIAL AID

- Not be in default on any federally insured student loan and not owe a refund on a Title IV grant
- Be registered with the Selective Service if required
- Have a valid Social Security number
- Have no convictions for the sale or possession of illegal drugs while receiving federal student aid

Financial assistance from federal programs is based on need. Your award, if you meet the eligibility requirements, depends on your and your family's ability to meet college costs based on Cost of Education minus Family Contribution equals Need. Cost of Education includes tuition, fees, room, board, books, supplies, transportation, child care, costs related to a disability, and miscellaneous expenses. Family Contribution is the amount you and your family reasonably could be expected to pay toward your college education, determined by a federal formula.

STEPS TO RECEIVING FINANCIAL AID

- Complete the Free Application for Federal Student Aid (FAFSA) or the renewal FAFSA, on the Web at www.fafsa.gov. The Financial Aid Office staff is available to review your application and assist you in completing the FAFSA. Workshops are available periodically.
- Keep your copy of your Student Aid Report (SAR) for your files. Respond to all letters you receive from the Financial Aid Office.
- After receiving an electronic copy of your data, the Financial Aid Office will review your information. If the federal government or the college selects your application for verification, the Financial Aid Office will request additional information from you before awarding federal assistance.
- Even if you are not selected for federal verification, the Financial Aid Office can still request additional information from you.

Once the Financial Aid Office has determined that you are eligible for an award, it will do the following:

- Make an award to you based on your eligibility and availability of funds. Remember, no award is guaranteed.
- Post your award to the Student Portal. Award letters will not be mailed. This award screen will list the types and the amounts of aid you have been awarded. Please print off a copy of your award screen.
- Establish a book account for you in the Bookstore if your award is greater than your tuition and fees. If you need additional funds to purchase books, see a financial aid counselor.
- Authorize aid to your account, except for Federal Work-Study, after your attendance in classes has been verified by all of your instructors. If you are due a refund for indirect educational expenses, a check will be mailed to the address that you have on file in the Registrar's Office.

The Financial Aid Office awards aid in the following order:

1. Pell Grant
2. Scholarships (institutional and outside scholarships)
3. State Scholarships
4. Federal Supplemental Educational Opportunity Grant (FSEOG)

OTHER FACTS ABOUT YOUR AWARD

- Your financial aid is only an estimated award until the aid is applied to your account.
- All awards are estimated, based on full-time status.
- The award amounts may change if you decrease the number of credits you are taking, never attend classes or if your eligibility changes.
- If you withdraw from all classes before 61% of the semester has elapsed, the federal government requires the College to do a recalculation of your financial aid. Details are available in the Financial Aid Office.
- The award you receive for an academic year will not carry over to the next academic year. You must re-apply annually for financial aid. Please check with the Financial Aid for the dates that you can apply for financial aid for each academic year (fall, spring and summer).
- You may use any federal Pell Grant funds not used during the regular academic year to pay for summer classes.
- If you have been awarded Federal Work-Study, you must work to earn the amount of your award. Approved Work-Study sites are located both on-and off-campus.

ACADEMIC STANDARDS FOR STUDENTS RECEIVING FINANCIAL AID

Students who receive federal and state grants and federal work-study must comply with the Financial Aid Office Standard of Academic Progress Policy. This policy is not the same as the Academic Standing Policy.

The student's records will be reviewed at least once per year before any awards are made. The student's entire academic history at the College will be reviewed (regardless of how long ago the student attended) to determine academic eligibility for aid for the current year. This review applies whether or not the student previously received aid.

A copy of the complete Standard of Academic Progress Policy is available in the Financial Aid Office. It is the student's responsibility to become familiar with the policy to avoid any possible loss of financial aid.

Note: Financial Aid is not available for auditing or non-credit courses other than in Academic Development or English Language Instruction (ELI). Also, federal financial aid is not available to students to take additional academic development courses once they have attempted 27 equivalent credits in academic development studies courses or English Language Instruction (ELI). There are no exceptions.

REPEATED COURSES

Students may not receive federal grants for courses that

they have previously completed with a grade of “C” or better. A student that did not successfully complete a course may repeat that course only once and receive federal financial aid. Each repeated course is counted as an attempted credit hour.

APPEAL PROCESS

Appeals regarding the lack of Satisfactory Academic Progress must be made in writing to the Financial Aid Office. Reasons for appeals include:

- Personal illness or accident (physician verification required)
- Serious illness or death within immediate family
- Other extenuating circumstances
- Appeal forms are available in the Financial Aid Office.

TAX CREDITS AND DEDUCTIONS FOR COLLEGE STUDENTS

There are several tax credit programs, including the Hope Tax Credit and Lifetime Learning Credit, which reduce the amount of taxes owed to the federal government, as opposed to a tax deduction reducing the amount of income subject to taxation.

RETURN TO TITLE IV (R2T4)

As part of the Higher Education Act, amended in 1998, Congress passed regulations that dictate how Federal Student Aid funds are handled when a student withdraws officially from classes or stops attending classes during any given semester (unofficial withdrawal). These regulations require that a Return to Title IV (R2T4) calculation be performed in order to determine the amount of aid the student has earned.

Even though students are awarded and allowed to use their financial aid to registrar, the student is still required to earn the aid by attending classes up to the point that 61% of the semester has passed. When the student attends classes after 61% of the semester has passed, the student has earned all of the Title IV funds that he or she was awarded or was scheduled to receive.

When the student completely withdraws from the semester or stops attending classes before 61% of the semester has passed, the student has failed to earn all of the financial aid that he or she received. Therefore, the college will need to determine how much of the aid must be returned to the Title IV program by the college and the student.

Baltimore City Community College must calculate the amount of the earned aid by using the date of the student’s withdrawal from the college or the date the student stopped attending classes or the last date that the student attended an academically –related activity to determine the withdrawal date.

The Return to Title IV calculation is based on the total number of days in the semester compared to the total number of days that a student attended classes before the last date of attendance. If the student receives more aid than they ‘earned’, then the ‘unearned portion’ of the student’s aid must be returned to the

U.S. Department of Education.

When a student’s award has to be adjusted, the monies that are returned to the U.S. Department of Education will be returned in the following order:

1. Pell
2. Academic Competiveness Grant (ACG)
3. FSEOG

(BCCC does not participate in the federal student loan programs.)

Students earn the federal portion of their financial aid by attending classes. An example is as follows:

Date of Withdrawal	#of Days of Class Attend	#Days in Semester	%Completed	% of Refund to DOE
8/23	1	110	1%	99%
9/8	22	110	20%	80%
10/13	57	110	52%	48%
10/22	66	110	60%	40%

To earn 100% of the aid awarded the student must withdraw AFTER 60% of the semester has passed. A complete copy of the Return to Title IV Policy can be found on the college’s web page at www.bccc.edu. In addition, a copy of the policy is available in the Financial Aid Office.

INSTITUTIONAL REFUND POLICY

Baltimore City Community College’s non-federal refund policy may be found in the General Policies section of the college catalog or course schedule.

SPECIAL NOTE:

If Baltimore City Community College has to return a portion of the student’s federal and state financial aid due to an official, or unofficial withdrawal (stop attending), those funds will be deducted from the student’s account and the student will owe the college for whatever amount that had to be returned to the U.S. Department of Education.

GRANVILLE T. WOODS SCHOLARSHIP

Students must be high-achieving graduates of public, parochial or private high schools in Baltimore City with a minimum 3.0 GPA and excellent recommendations to be considered for the Woods scholarship. Students must be Baltimore City residents. Candidates are required to submit an application, including an essay and SAT scores. Accuplacer Placement Test assessments and interview scores are also given consideration. College credit is also granted for qualifying scores from the College Board Advanced Placement Program. Applicants must enroll as fulltime students at BCCC, with a commitment to transfer to a four-year college. The scholarship package includes exceptional benefits: tuition, fees, textbooks, a laptop computer, seminars, cultural events, study abroad, and prestigious internship opportunities. Articulation arrangements are in place to transition to honors programs at well-regarded universities. For more information, call 410-462-8300. Applications must be submitted by April 1.

ACADEMIC INFORMATION

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DEGREES GRANTED

Associate of Arts (AA) - recognizes mastery in the liberal arts and in the fine arts and is intended for transfer to equivalent programs at four-year institutions.

Associate of Science (AS) - recognizes mastery in science or technology with a heavy emphasis on undergraduate mathematics or science and is intended for transfer to programs at four-year institutions.

Associate of Applied Science (AAS) - recognizes the mastery of vocational-technical occupation skills and is intended for those seeking immediate employment opportunities. Graduates with an AAS degree may transfer to a technical program such as a Bachelor's Technology degree or to non-technical courses at a four-year institution.

Associate of Science in Engineering (ASE) - recognizes mastery in programs in electrical engineering.

Associate of Art in Teaching (A.A.T.) - recognizes a mastery in teacher education.

CERTIFICATES GRANTED

Certificates requiring up to 45 credits may be earned. A certificate, while less than a degree, is an accomplishment in itself; many certificate programs meet professional and government certification standards and/or requirements. Some certificate requirements are established by outside professional or government agencies.

FULL-TIME STUDY

Full-time students are those who register for a minimum of 12 credits per Fall or Spring semester. To complete the requirements for the Associate degree in two years, however, students will need to take 15 or sometimes as many as 18 credits per semester, depending upon the program of study. Students who want to take more than 18 credits must have a cumulative average of at least 3.0 and the permission of the Dean of Student Development. This policy applies to all academic sessions including Summer.

DECLARATION OF PROGRAM ("MAJOR")

Students are encouraged to declare a "major" before completing 15 credits. Students who desire to change their major are to consult with an Academic Advisor in the Student Success Center. Upon declaration of a major, students are reassigned to an advisor in their field of study.

GRADUATION REQUIREMENTS

Degrees and certificates are awarded in August, December and May of each academic year. Commencement is held once a year following the Spring semester.

Associate degrees are awarded to students who meet all of the following requirements:

- A minimum 60 academic credits effective Spring 2001. Any student who re-entered the College in Spring

1988 or later may not include credits earned in ENG 80, ENG 81, RDG 80, and/or RDG 81 as part of the required 60 academic credits

- Grade Point Average (GPA) of at least 2.0 (equivalent to a C average)
- Completion of the General Education Requirements (30-36 credits for AA and AS degrees; 21-22 credits for AAS degree) in addition to Instructional Program requirements
- Demonstration of computer literacy by successful completion of approved computer literacy course or passing the computer literacy test administered by the Test Center
- Completion of PRE 100 by students who enter as first semester degree-seeking candidates.
- Meeting all requirements within 10 years of initial enrollment; re-entering students who have been away for two or more semesters (excluding summers) must meet any new program requirements.

No simultaneous certificates and degrees are awarded in the same specialization. A second Associate degree can be awarded if the student completes a minimum of 15 credits beyond the requirements for the first degree, and completes all requirements in the second specialization. Students majoring in the General Studies Transfer Program may not apply for a second Associate degree.

Certificates are awarded to students who meet all of the following requirements:

- 2.0 or better cumulative Grade Point Average (GPA)
- Completion of all College, program, and course requirements
- Completion of PRE 100 by students who enter as first semester certificate-seeking students
- Demonstration of computer literacy by successful completion of approved computer literacy courses or passing the computer literacy test administered by the Test Center.

Students re-entering who have been away for two or more semesters (excluding summers) must meet any new program requirements. No simultaneous certificates and degrees are awarded in the same specialization. A second Associate degree can be awarded if the student completes a minimum of 15 credits beyond the requirements for the first degree, and completes all requirements in the second specialization. All BCCC students must meet the College's Computer Literacy requirement in order to receive a degree or a certificate.

All first-time full- and part-time degree and certificate seeking students are required to complete the PRE-100 course within the first six credits.

COMPUTER LITERACY REQUIREMENT

All BCCC students must meet the College's Computer Literacy requirement in order to receive a degree or a certificate. Students can meet this requirement in three ways:

1. By enrolling in one of the majors listed below.
2. By taking one of the computer courses listed below and passing the course with a "C" or better.
3. By passing the College's Computer Literacy Test with a minimum grade of 70%.

MAJORS THAT SATISFY THE COMPUTER LITERACY REQUIREMENT

- Accounting
- Administrative Assistant
- Business Administration
- Computer-Aided Drafting and Design
- Computer Information Systems
- Fashion Design
- Health Information Technology

COURSES THAT SATISFY THE COMPUTER LITERACY REQUIREMENT

- BUAD 112: Computers for Business Management
- BCAP 104: Introduction to Operating Systems
- BCAP 155: Word Processing for Business Applications
- CADD 101: Introduction to CADD
- CISS 109: Principles of Computer Information Systems
- CLT 100: Computer Literacy
- CSC 108: Programming in C
- FASH 202: Computer-Aided Pattern Design
- HIT 232: Computer Applications in Healthcare
- HIT 251: Healthcare Management and Supervision
- OFAD 119: Word Processing Applications I

For hours of operation, please contact the Test Center at 410-462-7666.

PRE-100 ORIENTATION COURSE

All first-time full- and part-time degree and certificate-seeking students are required to complete the PRE-100 course within the first six credits. Preparation for Academic Achievement is a one-credit required orientation course in which students focus on strategies for personal and academic success. Transfer and readmitted students who have completed 15 or more credits toward their degree or certificate can be exempted from this requirement.

ALTERNATIVES TO TRADITIONAL CLASSES

See also "Credits for Non-Traditional Learning," General Policies, p. 168.

ONLINE LEARNING and THE CENTER FOR EXCELLENCE IN E-LEARNING AND TEACHING INNOVATION

E-Learning Office
Liberty Campus
Harper Hall, Room 110
online@bccc.edu
410-462-7625

Many BCCC courses offered on campus are also offered online. Thus, busy adults have the convenience of learning anytime, anywhere, and of reaching their educational goals while meeting job and family responsibilities. Students register for online courses the same way they do traditional classes, provided they meet specific requirements for each delivery format, listed below. Online courses are suitable for mature, motivated and disciplined learners who appreciate the convenience and flexibility of this educational format. More information is available online at www.bccc.edu. Click on Current Students and then E-Learning.

ONLINE AND HYBRID COURSES

Online courses are taught via the Internet and comprise at least 80 percent of online semester contact hours. Students communicate with their instructors and with one another asynchronously (not in real time) through Canvas, the Learning Management System (LMS) used at the College. Course documents, assignments and projects are exchanged through the LMS.

Hybrid courses are taught partly online, partly in the classroom. Students enrolled in hybrid courses must attend specific on-campus sessions and complete the rest of the coursework online. Students who wish to enroll in online or hybrid courses must have access to a computer that meets the requirements of the LMS.

BCCC open lab computers, located in LSB 260-263, can be used for online courses. Call Open Computer Labs at 410-462-77411 for more information.

CANVAS SYSTEM REQUIREMENTS:

Operating Systems: Windows XP SP3 and newer, Mac OSX 10.6 and newer, Linux – chromeOS
Computer Speed and Processor: 1 GB of RAM, 2GHz processor, a computer five years old or newer when possible
Internet Speed: minimum of 512kbps

Students must have adequate computer skills in order to be able to successfully complete these courses. For a self-test of computer skills, access the BCCC website at www.bccc.edu. Click on Current Students and then E-Learning.

ORIENTATION FOR STUDENTS ENROLLED IN ONLINE AND HYBRID COURSES

All students taking online or hybrid courses for the first time are required to attend a one to two-hour Orientation for Online Students . The orientation can

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be done online, via webinar, or in-person. During orientation, students learn about student and faculty expectations in online courses and are familiarized with the Learning Management System (LMS). Dates, times, and locations for the in-person and webinar orientation sessions are available on Canvas under the Canvas Help and Orientation link. Students can access this site without logging into Canvas. The information is also provided in the Schedule of Credit Courses. To access the online version of the orientation, students should login to Canvas at any time and click on Courses and then Student Canvas Orientation. For more information, send an email to online@bccc.edu.

Canvas: bccc.instructure.com

VERIFICATION OF STUDENTS' IDENTITY IN THE LEARNING MANAGEMENT SYSTEM

BCCC's Learning Management System is fully integrated with student and College data. All credit courses offered at the College, and all individuals who are provided with a College email address, are automatically created in Canvas through a snapshot integration of the two systems. Accordingly, students who are registered in online courses receive a unique login which is generated through the BCCC Student Portal and which is synchronized with the student's BCCC ID and network account. Once students first login to Canvas, they are encouraged to change their password and edit their profile. The formula used for the creation of students' usernames and default passwords is the same for both the LMS and the student email system.

In many online courses, students are required to come on campus for testing where their photo IDs are checked, and they complete their exams under proctored conditions. At orientation, students are instructed to keep their login private and to comply with BCCC's Code of Conduct, which addresses issues of academic honesty.

BCCC GRADING SYSTEM

The grading system is based on the "grade point" of each letter grade; the student's Grade Point Average (GPA) is then calculated:

Letter	GP	Value
A	4	Excellent
B	3	Above Average
C	2	Average
D	1	Below Average but Passing
F	0	Failing

The following grades indicate non-completion of courses with a grade value of 0, but only F is counted in the GPA.

AU	Audit
CL	Credit earned through the College-Level Examination Program (CLEP).

EX	Credit earned through Departmental examination or other evaluation.
FX	Never Attended. Faculty will use to report for students never attending class.
I	Incomplete. By written agreement with the instructor, the student may have an additional six weeks to finish classwork or receive an F grade.
IP	In Progress. IP does not affect GPA and is given in specifically approved English 101 courses.
S	Satisfactory
U	Unsatisfactory
W	Withdrawal. Failure to withdraw officially may result in an F grade. See Add/Drop/Withdrawal Policy.
WX	Withdrawal Due to Extenuating Circumstances. Documentation of illness or job change must be submitted to the Registrar's Office.

Students will not receive grades until all financial obligations are met.

CHANGE OF GRADE

No grade change will be permitted after the lapse of one calendar year calculated from the last day of the semester in which the course was given except under exceptional circumstances. Grades will not be changed without a detailed explanation and documentation. The grade change will not be final until approved.

GRADUATION HONORS

Graduation honors are awarded to students who qualify for the associate degree as follows:

- High Honors - Overall GPA of 3.75 and above
- Honors - Overall GPA of 3.25 to 3.749

SCHOLASTIC HONORS

Scholastic honors are awarded to students who qualify with a GPA of 3.0 and above with minimum 12 credits that semester, no grade lower than D or S, and all credits earned at BCCC. These honors are designated on the student's official college transcript.

- Distinguished Scholar - Semester GPA 3.5 and above
- Meritorious Scholar - Semester GPA 3.0 to 3.499.

COURSE SUBSTITUTIONS AND EXEMPTIONS

Students are required to fulfill all program requirements. In exceptional cases, such as when a student is in his/her final term and the course he/she requires has not been scheduled, the student may be permitted to substitute another appropriate course that produces similar competencies and involves similar areas of knowledge. A completed Course Substitution Form must be submitted to the Registrar's Office after it is approved by the Coordinator, Associate Dean, Dean

and Vice President for Academic Affairs. The code SB appears on the student's record.

A student may be granted an exemption from a required course or from a program requirement only when the Department offering the course or program has identified another course, credential, or other experience as meeting the stated requirement. Official documentation from the Associate Deans and the course or Program Coordinator is required. The code XM appears on the student's record.

INDEPENDENT STUDY

Students are expected to complete their programs through the normal schedule of courses. However, students in their last term are permitted to apply for required courses as Independent Study, provided that all the following conditions have been met:

1. The student is in his/her last term.
2. The course is required by the student to complete a degree or certificate program.
3. The course is not being offered on the term schedule, or the time of the course conflicts with another course the student needs to take.
4. No appropriate course substitution can be found.
5. The Independent Study is approved on the Independent Study Form by the respective Dean and Vice President for Academic Affairs.

Each application of Independent Study will be carefully reviewed and approved by the Academic Associate Dean, Dean, and the Vice President for Academic Affairs. Students are advised, however, that the College is under no obligation to provide this option. When the Independent Study is approved, the student will meet with the faculty assigned on a weekly basis. A course taken as Independent Study will cover the same content as the regularly scheduled course and have the same requirements and evaluation as outlined in the course syllabus.

A student in his/her last semester may earn credit independent of a classroom setting for a specific course described in this Catalog when the course is not offered in the semester schedule but is required in order to complete a degree or certificate program.

Note: The College is under no obligation to provide this option.

INDIVIDUAL STUDY

Talented students may earn credit in certain disciplines through special projects, research, creative work, internships, or other means of independent academic pursuit without conforming to the restrictions of a traditional classroom setting. Individual Study credit may be earned only for a course that deals with content not included in an existing BCCC course. Individual Study is different from and should not be confused with Independent Study. For more information, see p. 121.

AUDITING

A student with the necessary prerequisites and the written approval of the Associate Dean may audit a course on a space-available basis. Students who audit a course are not evaluated for a course grade and do not receive credit. The tuition and fees for an audited course are the same as those charged for a credit course. Financial Aid does not cover audited courses.

Students must indicate at registration that they are auditing a course. Students may change their status from audit to credit or from credit to audit only during the Add/Drop period. Since no credits are earned, audited courses are not computed in the student's grade point average. The grades report will show an audit in the grade column.

CLASS ATTENDANCE

All students are expected to attend all class sessions. Regular attendance on time at all classes is a minimum academic obligation and is considered by the College to be an integral and vital aspect of the learning process. Students who attend class regularly are more likely to earn satisfactory grades. Lateness or failure to attend class may seriously jeopardize a student's performance and academic standing. The student is responsible for the content presented and/or assigned even if class is missed because of late registration, illness, or any other factor. Class attendance is required for federal financial aid recipients.

CHILDREN IN CLASSROOMS/ LABORATORIES

It is the policy of Baltimore City Community to encourage safe, supervised campus visitations by children who are taking part in organized scheduled activities, enrolled in specific classes or attending educational, cultural, and sporting events on campus. Other than these activities, children are not permitted in the classroom, libraries, computer labs, science labs, physical education facilities or in any other areas of the College unless properly enrolled in a program. Under no circumstances may unsupervised children be allowed to play on campus grounds, roam campus buildings, and sit in campus buildings or outside benches on the grounds. Employees are prohibited from bringing children to work during working hours.

REPEATING COURSES

Students are expected to make academic progress in all their courses. When students do not successfully complete a course, they are permitted to repeat it one time. The College believes that both students and the institution must act responsibly to ensure the effective use of their resources, time, and finances; therefore, students may not register to take a course for a third time (including class withdrawals) without visiting the Student Success Center. The grade received each time a student enrolls in a course is posted on the student's official transcript; however, only the highest grade received

ACADEMIC INFORMATION

in the course is computed in the student's Grade Point Average (GPA). For financial aid purposes, a student may repeat a course once and receive financial aid only if the student has not received a grade of "C" or better.

It shall be the policy of Baltimore City Community College to restrict students from continuously repeating courses for which they have received financial aid for payment of tuition and fees and for which they have received a grade of "C" or better. Therefore, students who receive a grade less than a "C" are permitted to repeat that course one time only. Withdrawals are not included in this policy.

However, if the student chooses to repeat a class which was twice paid for by financial aid, he or she must assume the cost of tuition and fees for the third attempt. This policy is consistent with the intent of the federal Satisfactory Academic Progress regulations.

EFFECT OF WITHDRAWAL ON ACADEMIC STANDING

Each semester the College establishes and publishes a course withdrawal deadline date. If for any reason you need to withdraw from a course, complete and submit to the Registrar's Office the Withdrawal Form before the deadline date. By doing so, you will receive a W. Failure to take this action could result in a grade of F and a bill for the course(s). Grades of F, like grades of A, B, C, and D, are value weighted and are used to determine your Grade Point Average (GPA). W, on the other hand, does not affect GPA.

It is your responsibility to withdraw officially from any class that you will not be able to complete successfully. By taking this action, you will be helping to safeguard your immediate GPA, your permanent grade history, and possibly your financial aid. See Add/Drop/Withdrawal Procedure.

ACADEMIC STANDING

Academic Good Standing at BCCC indicates that a student is progressing toward completion of a certificate or degree program. The College adheres philosophically to the concept of open admission; however, program completion and graduation require that students perform at a highly competitive level.

A student is placed on Academic Warning if he/she attempts six credits or more in a semester and:

- fails to complete 50% of the credit load in that semester (receives grades of W, WX, F, U, I, or IP) or
- fails to maintain a Cumulative Grade Point Average (GPA) consistent with the College's minimum academic standards, as follows:

ASSOCIATE DEGREE PROGRAMS		CERTIFICATE PROGRAMS	
Minimum Credits Attempted	GPA	Minimum Credits Attempted	GPA
6-11	.80	3-6	.80
12-23	1.20	7-12	1.20
24-35	1.50	13-17	1.50

36-47	1.80	18-23	1.80
48	2.00	24	2.00

Academic Warning is indicated by Academic Warning printed on the Student Inquiry Report in the Academic Status area. The student on Academic Warning is not permitted to participate in Early Registration until the grades for that current semester are available. A student in Academic Warning status must review his/her program plans with a Student Success Advisor, who will provide an assessment of future course load and corrective measures.

The academic load carried by a student on Academic Warning may be limited. At the end of the probationary semester, the student's record is reevaluated. If the problem persists, the student is subject to Academic Dismissal.

A student is academically dismissed from the College when he/she attempts six or more credits while on Academic Warning and:

- fails for a second consecutive semester to complete 50% of the credit load in that semester (receives grades of W, WX, F, U, I or IP) or,
- fails for a second consecutive semester to maintain a Cumulative Grade Point Average (GPA) consistent with the minimum academic standards of the College.

Dismissal is indicated by Academic Dismissal printed on the Student Inquiry Report in the **Academic Status area**. The student is required by written notice from the College to attend a mandatory Student Success Workshop followed by a reinstatement hearing with a Student Success Advisor to formulate an educational plan for completion of coursework. A student who is denied reinstatement may appeal to the Director of the Student Success Center. The student must sit out of the College for a period of one semester. A student who has been academically dismissed will be eligible to return to the College according to the following schedule:

Academic Term Eligible to Return	Dismissal Imposed
2017 Fall Semester	Fall 2018 Semester
Spring 2018 Semester	Spring 2019 Semester

A student who is reinstated is limited to no less than six, and no more than nine billable hours (two courses) during the probationary semester. If the student chooses to take less than six hours, the Academic Status will remain as Warning or Dismissal. The reinstated student is not permitted to register for subsequent semesters until the initial semester's grades are available. At that time, the student attends a follow-up hearing to ensure that he/she can handle an increased load and is able to achieve Satisfactory Academic Progress.

Note: Baltimore City Community College's Warning and Dismissal policies are undergoing review. Please refer to the college's web site for the most up-to-date policy information.

ACADEMIC RENEWAL

Academic Renewal offers a student the opportunity to continue College studies without the disadvantages of an earlier weak GPA. A maximum 15 credits of D and/or F grades earned at least 5 years before the semester in which Academic Renewal is being requested may be excluded from the cumulative GPA. At least 12 credits with a minimum cumulative 2.5 GPA must have been earned since the last semester for which Academic Renewal is being requested. Academic Renewal is considered twice each year, in January and August.

Specific grades are removed from computation of GPA, but courses and the grades earned remain on the student's transcript. Grades of C or better earned during the period for which exclusion of grades is being requested are included in GPA computation. Academic renewal does not automatically satisfy academic progress standards for financial aid purposes. Courses approved for Academic Renewal do not count toward graduation or degree completion. The decision of the Academic Renewal Committee is final.

Academic Renewal Request Forms are available in the Student Success Center and the Registration Office.

ACADEMIC GRADE GRIEVANCE PROCESS

A student who has sufficient evidence that his/her grades have not been determined in accordance with the terms set out in the instructor's syllabus/course outline/course policy, may seek resolution through the grievance process. In filing an academic grievance, a student must take the following steps:

1. Attempt to resolve the matter with the instructor in a face-to-face meeting.
2. If the student is dissatisfied with the decision rendered by the instructor, he or she will obtain a Student Grade Grievance Form (Form A) from the respective department administrative assistance, complete, and submit to the Office of Academic Operations and Services. This form should spell out the exact nature of the complaint and the remedy sought. The Office of Academic Operations and Service will contact the faculty and allow the faculty member an opportunity to respond to the grade grievance (Form A).
3. Cases filed after faculty contracts end in May, are processed as soon as the instructor can be contacted which usually occurs during the next full (fall/spring) semester. A grade grievance must be filed no later than 30 days after the end of the semester in which the class was taken. The entire grade grievance process must be completed typically within one year of the original filing. Students will be required to submit the following information to complete their grade grievance file:
 - Course Syllabus/Course outline/Course policy
 - All work in question
 - A written explanation as to the nature of the grade grievance

- Form A
 - A log or account of Canvas grades
 - Student Inquiry
4. The Chair of the Grievance Committee (Dean of Academic Operations and Services or designee) will review both the student's documentation and the explanation from the instructor. If there is sufficient evidence to warrant a grievance, the paperwork will be forwarded to the Department Associate Dean, typically within five (5) business days. The Department Associate Dean will attempt to mediate a resolution between the instructor and the student. If a resolution is reached that warrants a grade change, the instructor will submit a grade change form to the Registrar's Office within five (5) business days after the decision to change the grade has been made.
 5. If no resolution is reached from the meeting with the Department Associate Dean, the student may request the matter be taken to the appropriate Academic Program Dean, typically within five (5) business days. The Academic Dean will attempt to mediate a resolution between the instructor and the student. If a resolution is reached that warrants a grade change, the instructor will submit a grade change form to the Registrar's Office within five (5) business days after the decision to change the grade has been made.
 6. If no resolution is accomplished with the Academic Dean, the Student Grade Grievance Form (Form A) and all supporting documentation will be reviewed by the Dean of Academic Operations and Services (or designee) to determine if there is enough evidence to warrant a grade grievance hearing. At this point, the Chair of the Grade Grievance Review Committee (GGRC) will assist the student with submitting a Student Grade Grievance Form (Form B), requesting a review by the GGRC. The GGRC will be made up of Chair of the GGRC, two (2) faculty and two (2) students. The Senate Executive Committee President will select the two (2) faculty members. The President of the Student Governance Board Association (SGA) will recommend the two (2) students.
 7. If the GGRC accepts the grievance, the student will appear for a hearing before the Committee, which will conduct a grade grievance hearing (see Article 6.6.5). The Committee must make a recommendation to the Vice President for Academic Affairs. The Vice President for Academic Affairs will make the final disposition of the grievance.
 8. If the Grade Grievance Review Committee rejects a student's grievance, the student will receive written justification for the decision from the Committee chair within five (5) business days. The decision rendered by the Committee represents the final disposition of this process.
 9. The Vice President for Academic Affairs will be the College official designated to resolve and decide student grievances concerning academic and curriculum issues.

ACADEMIC INFORMATION

GUIDELINES FOR THE FORMAL GRIEVANCE PROCEEDINGS

The Committee will be the highest officially designated recommending agent for resolving and deciding student grievances concerning academic and curricular issues.

The Committee will be a year-long standing committee with the following members:

- a. One administrator (and one alternate), designated by the College President, who will be the Chairperson of the Committee.
- b. Two students (and two alternates), designated by the Student Government Association (SGA).
- c. Two faculty (and two alternates), designated by the Faculty Senate Executive Committee.

Each party may have an advocate and two witnesses at the hearing. The committee may call its own witnesses. The Committee will decide whether witnesses shall be present for the entire proceedings.

The Chairperson will identify, for the record, all persons present their roles, and present the case, giving the point of view of both sides. Each party will be allowed to elaborate specifically and concisely. Committee members may ask specific questions to gain concise answers from either party until the committee feels it has enough relevant information to make a decision.

The Committee will call an executive session (unrecorded) to discuss the information and render a decision.

The Chairperson will, on the next working day, put the Committee's decision in writing to the Vice President for Academic Affairs. Copies will go to all parties involved. The Chairperson of the Committee will maintain the hearing tapes and be responsible for housing all case related materials.

OPERATING RULES

The grievance procedure is designed to offer due process and bring substantial justice within the context of the College community. It is not a court of law and professional lawyers shall not be involved in the process. A resolution and/or decision agent may seek legal advice from the General Counsel's office, through the Executive Assistant to the President.

TRANSFERRING BCCC CREDITS TO FOUR-YEAR COLLEGES AND UNIVERSITIES

**Transfer Center
Liberty Campus
Main Building, Room 233
Kadijat Richmond
Transfer Coordinator
410-462-7497**

Students planning to transfer BCCC credits to another college or university are responsible for taking the courses required for admission to that institution. Students interested in identifying courses and programs that transfer to a particular college or university should contact the Transfer Coordinator early in their academic career. Services include advice about relating personal goals to an academic program, selecting courses that are transferable, registering, applying for financial aid and transferring to a four-year college.

The Office of Academic Operations and Services maintains articulation agreements with four-year colleges and universities in Maryland. The Maryland Higher Education Commission has developed Statewide Transfer Regulations for community colleges and public four-year colleges and universities. These regulations are designed to assure that students can progress from a community college to a four-year institution without loss of time or unnecessary duplication of effort. Transfer Regulations apply to all public institutions in Maryland. Students should read the complete text of the Maryland Higher Education Commission (MHEC) General Education and Transfer Regulations in the General Policies section of this Catalog, p.168. Students may review the full transfer policy on page 172 or at www.bccc.edu/Admissions

TRANSFER CREDIT TO BCCC

GENERAL TRANSFER POLICY

It is the policy of Baltimore City Community College that students who have successfully completed college level courses at a regionally accredited college or university will receive credit toward an associate degree or certificate. In addition, exemption from relevant placement tests will be granted. The total number of credits that may be allocated toward an associate degree is 45. The credits awarded for a certificate is half of the total required hours. Students can earn up to 30 of these transfer hours through transfer of nontraditional credit. BCCC may award transfer credit from regionally accredited institutions and from institutions that are candidates for regional accreditation. Course work completed at degree-granting and non-degree-granting higher education institutions that are not regionally accredited but hold national or specialized accreditation recognized by the U.S. Department of Education and/or the Council for Higher Education Accreditation may be considered for transfer credit on a case-by-case basis.

Transcripts may be sent via email to transcripteval@bccc.edu or submitted to Baltimore City Community College, Admissions Office, Room MNB 02, 2901 Liberty Heights Avenue, Baltimore, MD 21215.

AWARD OF CREDIT FOR PRIOR LEARNING

Transfer credit is reviewed by the appropriate associate dean of Academic Affairs and the Office of Admissions to determine the institution where the course was taken, the completion date, catalog course description including the course number, title and grade.

Students with a cumulative grade point average from a previous institution that is less than a 2.0 on a 4.0 point scale will be reviewed by BCCC. Any course with a grade of C or better will be accepted. Exception: BCCC will accept credits in which a grade of D is earned for general education courses from a student with a minimum cumulative grade point average of 2.0 on a 4.0 point scale from a regionally accredited Maryland public institution.

BCCC will convert transferable courses taken at institutions that operate on a quarter system to semester credit hours. Quarter hours are multiplied by 2/3 to equal semester credit hours. Transfer credit cannot be awarded for a course if credit has already been earned at BCCC.

In some cases, BCCC will need to review the official course description or course syllabus to determine equivalency. Upon request, the student must submit the required information.

TRANSFER CRITERIA

Credit may transfer if one of the following is met:

1. The institution is regionally accredited by the commission on higher education. BCCC recognizes the following regional accreditations:
 - Middle States Association of Colleges and Schools
 - North Central Association of Colleges and Schools
 - New England Association of Schools and Colleges
 - Southern Association of Colleges and Schools
 - Western Association of Schools and Colleges

BCCC may award transfer credit from regionally accredited institutions and from institutions that are candidates for regional accreditation. Course work completed at degree-granting and non-degree-granting higher education institutions that are not regionally accredited but hold national or specialized accreditation recognized by the U.S. Department of Education and/or the Council for Higher Education Accreditation may be considered for transfer credit on a case-by-case basis.

2. BCCC has an articulation agreement with a high school, business or industry. Articulation agreements specify award of credit for meeting certain criteria and presenting certain documents.
3. Military Training: The American Council on Education (ACE) must evaluate military training and experience before college credits is awarded.

4. The institution is legally authorized to grant standard college degrees and accredited by an accrediting agency recognized by the United States Department of Education. The college may award transfer credit based upon course equivalencies, expected learning outcomes and applicability to BCCC's curricula, standards and course offerings. BCCC's transfer credit policy complies with COMAR 13B.02.02.16

5. Foreign institutions: Transcripts must be evaluated by a professional transcript evaluation service before transfer credit will be reviewed. BCCC requires the course-by-course evaluation from this service to review transfer credit. BCCC accepts only the following transcript evaluation services:

- World Education Services (WES)
- American Association of College Registrars and Admissions Officers (AACRAO)
- Education Credential Evaluators (ECE)
- Prior Learning/Work Experience Assessment
- College credit through evaluation of non-credit prior learning or work experience is evaluated by the relevant Department.

REVERSE TRANSFER

Reverse Transfer Students registered at a four-year college or university can take applicable course work and transfer that work back to the College in accordance with BCCC's transfer policy.

APPLY CREDITS TOWARD GRADUATION

Only transfer credits that apply to the chosen program may be used toward graduation. Student must meet with an academic advisor to discuss options and track their academic progress.

Official transcripts from other institutions must be current and received by BCCC within one year of the issue date to be considered for transfer credit award. Unofficial transcripts may be used to determine if a non-matriculating student has met the prerequisite requirement for a specific course(s) and may not be used to meet a graduation requirement.

APPEALS PROCESS

The College has an appeal process for evaluation and transferability of a course or prior work or learning experience. The appeal begins with a written statement from the student within 60 days of the evaluation and is then presented to the appropriate Associate Dean. The Associate Dean will evaluate the written appeal. Official transfer credits will have a TR grade designation in the student data system and unofficial transfer credits will have a XA grade designation in the student data system. Transcripts may be sent via email to transcripteval@bccc.edu or submitted to Baltimore City Community College, Admissions Office, Room MNB 02, 2901 Liberty Heights Avenue, Baltimore, MD 21215.

Board of Trustees approval: June 24, 2014

ACADEMIC INFORMATION

ARTICULATION AGREEMENTS

Baltimore City Community College has signed joint enrollment and articulation agreements with the colleges and universities listed in the following chart. These agreements ensure that students who complete their associate's degree can transfer with full junior standing in their programs at the transfer institution.

COLLEGE/UNIVERSITY	PROGRAM
Ashford University	Bachelor of Science or Bachelor of Arts pending transcript review
Bellevue University	Bachelor of Arts or Bachelor of Science
Capitol Technology University	Associate of Science in Electrical Engineering to Bachelor of Science in Electrical Engineering Robotics/Mechatronics Technology
Coppin State University	Accounting Applied Psychology with a Concentration in Alcohol and Drug Abuse Early Childhood Education Early Childhood Education/Child Care/Human Development Track Elementary Education Health Information Management Marketing Nursing Rehabilitation Services
Excelsior College	Bachelor of Science or Bachelor of Arts pending transcript review
Frostburg State University	Associate of Science in Electrical Engineering
Johns Hopkins Hospital	14 week Skills Enhancement Program that students must complete to receive articulated credit. Maryland Higher Education Commission Accounting Business Management Computer Aided Drafting and Design Computer Information Systems
Morgan State University	Bachelor of Science in Electrical Engineering, Civil Engineering, or Industrial Engineering
Salem International University	Bachelor of Arts or Bachelor of Science
Stevenson University	Nursing
University of Baltimore	Bachelor of Arts or Bachelor of Science

University of Cincinnati	Associate of Applied Science in Health Information Technology to a Bachelor of Science in Health Information Management
University of Maryland School of Medicine	Medical and Research Technology
University of Maryland University College	Accounting Business Administration Dual Admission Reverse Transfer
University of Phoenix	Bachelor of Science or Bachelor of Arts pending transcript review
Virginia State University School of Engineering, Science, and Technology	Manufacturing Engineering Drafting Technology Computer Engineering Computer Science Electrical Engineering Industrial Technology Engineering Information Technology Mechanical Engineering

MEMORANDUM OF UNDERSTANDING (MOUs)

Baltimore City Community College has signed documents that express mutual agreement between two or more entities:

1. ASCEND Program-Morgan State University: A Student-Centered Entrepreneurial Development (ASCEND) training model to increase diversity in the Biomedical Research Workforce. Funded by the National Institute of Health's Building Infrastructure Leading to Diversity (BUILD) Initiative. BUILD awards are intended to support the design and implementation of innovative programs, strategies and approaches to transform undergraduate research training and mentorship, as well as institutional and faculty development to further strengthen undergraduate research training environments.
2. Baltimore City Public School System: This MOU establishes a plan whereby eligible students from any Baltimore City Public High School can take authorize Dual Enrollment courses through Baltimore City Community College.
3. Bais Yaakov & Eva Winer High School: This MOU desires to obtain the services of BCCC to provide certain College-level credit classes for its students.
4. Bellevue University: This MOU allows BCCC students who receive an Associate's degree, or 60 credit hours prior to transfer. It will also allow a seamless transition to enroll in Bellevue University. Students transferring with an Associate's degree will receive credit for all coursework in their degree program and will enter Bellevue University with junior status. BU will establish a transfer grant fund for BCCC transfer students to use toward their undergraduate degree. In addition, full time BCCC employees who qualify can receive Fellowship grants

CAMPUS LIFE AND SUPPORT SERVICES

- to pursue an undergraduate or graduate degree. Bellevue University has a full-time administrator on the Baltimore City Community College (Liberty Campus) Debra Vines, Room 121C, (410) 462-8273.
5. Career Academy: The key component of the partnership shall be a yearly progressive program primarily for 12th graders. Other students may participate as determined by Career Academy. The partnership will prepare students for post-secondary education or career readiness training through Business and Continuing Education Division .
 6. Center for Creative Life and Learning, Inc.: This MOU desires to obtain the services of BCCC to provide certain College-level credit classes for its students.
 7. Financial Aid Consortium: This MOU allows each party seeking to provide their students with the opportunity to take courses at the other respective party's institution while retaining eligibility for federal financial aid.
 8. Family and Children's Services: This MOU will allow the Family and Children's Services to provide the Clarence Blount Center with two Foster grandparents for 4 hours a day, 5 days a week. They will provide the children with one-on-one interaction to enhance literacy and numeracy instruction, and nurturing within the Center.
 7. Maryland Family Network: Client desires to obtain the services of BCCC to provide certain college-level credit classes for its students. The college agrees to enroll the individuals designated by the client as students in sectioned courses described in the MOU.
 8. Maryland National Guard: This MOU is intended to reflect the cooperative efforts between BCCC and MDNG to expand, enhance, and improve educational opportunities to its employees. MDNG agrees to work with BCCC to actively promote awareness of and enrollment in both degree and non-degree programs to its employees and to identify BCCC as a university partner.
 9. Reach Partnership School: This MOU is a program involving high school students that will lead them to a Career Pathway either through Workforce non-credit or Degree/Certificate Programs.
 10. Reach Partnership School and Frederick Douglass High School: This MOU is a two year progressive program involving a cohort of up to 50 students (high school juniors and some seniors).
 11. Reverse -Transfer Program-This MOU will enable non Associate Degree seeking students that transfer to a college or university have that college or university transfer their credits back to BCCC in order to complete the requirements of their BCCC Associate's Degree.
 12. St. Frances Academy: The purpose of this MOU is to enroll individuals designated by client to provide college-level credit classes for its students.
 13. Stevenson University: This MOU is to provide educational opportunities for graduates of BCCC through the availability of various courses for programs offered by the School of Graduate and Professional Studies leading to a Bachelor's and/or Master's degree.
 14. Talmudical Academy: This MOU is designed honor the clients desires to obtain the services of BCCC to provide certain College-level credit classes for its students.
 15. Towson University-Reverse Transfer: This agreement between TU and BCCC is for the sole purpose of establishing a program. The program enables non Associate Degree BCCC students that transfer to TU to have TU transfer their credits back to BCCC in order to complete the requirements of their BCCC Associates Degree.
 16. Towson University-STEM: This purpose of the MOU is for the university and BCCC to provide one section of IDNM 101 for community college students majoring in the STEM disciplines pursuant to a grant to the university from National Institutes of Health at BCCC during the Spring semester of the school year.
 17. University of Baltimore-BeeLine: The agreement affirms the commencement of a new initiative between BCCC and UB to promote the Bee Line at BCCC an efficient, accelerated, transfer access program designated to facilitate faster completion of UB undergraduate programs for BCCC students. The Bee Line transfer program offers BCCC students incentives and structured pathways for attaining a four-year baccalaureate degree from UB.
 18. University of Baltimore Langsdale Library: The key component of this MOU is to allow students, faculty and staff the ability to check out book sat either BCCC Bard Library or University of Baltimore Langsdale Library.
 19. YEAR-UP: This MOU between BCCC and Year Up is to create a framework between the two organizations to leverage each other's organizational strengths to serve young adults in the Baltimore City area.

ACADEMIC OPERATIONS AND SERVICES

Academic Affairs Division

Liberty Campus

Main Building, Room 251

410-462-8021

The Office of Academic Operations and Services oversees academic strategic design and planning to strengthen the academic enterprise, provides assessment and analytic support services to sustain a culture of evidence. The office also supports accreditation and manages accreditation related activities.

The Office offers guidance, training, and support for faculty and institutional leaders in the collaborative curriculum and assessment processes.

The Office is also dedicated to creating partnerships with other schools by forming alignments and articulations. These articulation agreements are

CAMPUS LIFE AND SUPPORT SERVICES

designed to help students make a smooth transition from high school to Baltimore City Community College and from Baltimore City Community College to four-year institutions.

TYPES OF ASSISTANCE

- Guidance on the Middle States' accreditation standards and processes.
- Direction and support in the development of student learning outcomes at the institutional, program, and course levels.
- Guidance, training, and support for Deans, Associate Deans, Program Coordinators, and faculty.
- Training and support on processes of assessment for course instructors.
- On-going monitoring of curriculum and programs.
- Support in the development and revision of programs.
- Serves as the College liaison between BCCC and Maryland Higher Education Commission.
- Grade Grievances

ARTICULATION AND TRANSFER CENTER

Liberty Campus

Main Building, Room 233

Coordinator of Transfer Services: Khadijat Richmond
410-462.7497

Coordinator of Articulation Services: Karen Mobley
410.462.8235

Articulation and Transfer Center provides services to assist students who plan to transfer to a four-year college or university. Our programs and services focus on supporting a successful transition, helping transfer students build connections and community, and guiding students as they explore and pursue their academic and career goals. Additionally, the office focuses on assisting students to acquire and process knowledge of self and future goals for careful planning. The Articulation & Transfer Center is a service available to all current and former BCCC students, and can assist students through the transfer exploration and application process. The center also works to partner with multiple four-year college and universities to ensure that BCCC has formalized articulation agreements to ensure seamless transitions for BCCC students.

We provide assistance with things like:

- Planning the necessary steps to transfer successfully
- Searching for colleges that meet your needs
- Understanding the admissions process and college applications
- Reverse transfer options
- Articulation services
- ARTSYS
- Internet and computer access for transfer research and opportunities

We also present transfer planning workshops and coordinate transfer fairs and events. In our office you can access the Internet, college catalogs, transfer guides, and materials to research four-year universities. Staff is available to answer questions and provide support during the transfer process.

BELLEVUE UNIVERSITY AT BCCC

Liberty Campus

Main Building, Room 121

410-462-8273

debra.vines@bellevue.edu or transfer.bellevue.edu/bccc

Bellevue University is excited to collaborate with Baltimore City Community College and its administrators, board of trustees, faculty, staff, and students to assist in their pursuit of higher education. As Baltimore City Community College continues to "Change Lives and Build Communities" and celebrate its 70th Year Anniversary, Debra Vines, Community College Relationship Manager for Bellevue University is looking forward to the opportunity to offer BCCC constituents and students the option to transfer to one of the premier open access institutions in the country where students: "Get Real Learning for Real Life"!!

BOOKSTORE

Liberty Campus

Main Building, Room 013

410-462-8484

Fax: 410-462-7496

REGULAR HOURS

Monday, Thursday 8:30 a.m. - 5:00 p.m.

Tuesday, Wednesday 8:30 a.m. - 7:00 p.m.

Friday 8:30 a.m. - 4:00 p.m.

RUSH HOURS

Monday–Thursday 8:00 a.m. - 7:00 p.m.

Friday 8:00 a.m. - 4:00 p.m.

Saturday 9:00 a.m. - 1:00 p.m.

(first Saturday of each semester)

SUMMER HOURS

Monday, Tuesday, Thursday 9:00 a.m. - 5:00 p.m.

Wednesday 9:00 a.m. - 6:00 p.m.

Friday 9:00 a.m. - 3:00 p.m.

Hours are subject to change with prior notice.

BOOKSTORE RETURNS POLICY

- All returns must be in resalable condition and accompanied by a receipt. Materials with highlighting, writing, marks, stamps, or labels will not be accepted
- With a valid BCCC receipt, textbook returns are allowed:
 - 16 week courses (Spring and Fall): First two weeks of class
 - Accelerated courses: First week of class
 - Winter and Summer sessions: First week of class

Textbooks bought after the first two weeks of the semester will receive a 48 HOUR return privilege. Books purchased during final exams week are non-returnable. NO EXCEPTIONS

- Custom packaged and shrink wrapped books MUST be returned in their original (unopened) packing
- Study guides, software, lab manual, supplies, electronics, food items, and custom materials cannot be returned.

CAMPUS LIFE AND SUPPORT SERVICES

- General merchandise in perfect condition may be returned within 10 BUSINESS DAYS of purchase
- Cash and check transactions will be refunded in cash. Credit card and financial aid 3rd party transactions will be refunded back to the account.
- All sales are FINAL on clearance merchandise.
- Students whose course has been cancelled may return their books within 2 BUSINESS DAYS after the course has been cancelled with documentation.
- The BCCC bookstore reserves the right to determine the salability of all merchandise.
- BOOK BUYBACKS are held at the end of every semester during FINALS. Inquire within for upcoming dates

In addition to new and used text books, the Bookstore offer a selection of school supplies, convenience supplies, BCCC leisure wear, and sundry items. The Bookstore accepts cash and credit cards. Personal checks are accepted only with two forms of identification.

CAREER DEVELOPMENT AND EMPLOYMENT SERVICES

Liberty Campus
Main Building, Room 110
410-462-8470

The Career Development Center has Career Services Staff who assist students in securing off-campus employment, provides access to State, national, and website employment information, and maintains a computerized resume/cover letter system. The Career Development Staff is committed to supporting the constantly evolving needs of the workforce, and provide a wide range of strategies for connecting students and alumni with training and employers in search for viable candidates to fulfill vacant positions in their companies.

SIGI 3

System of Interactive Guidance and Information is an internet based self-assessment tool designed to provide students with personalized career and educational exploration and planning services. Through self-assessment, students will develop an accurate picture of their interest, work values, personality, skills, educational and leisure time preferences. Once the student has completed the assessment, it is recommended that the student meet with a Career Coach to further assist him/her in clarifying their career path and guide them in the right direction.

The Career Development and Employment Services Office provides workshops on preparing resumes, developing job searching strategies; coordinate career fairs; employee seminars; on-campus recruitment sessions and maintains of a computerized employer information library.

This office is a proponent of the Career Pathways, a workforce development strategy used to support workers transitions from education into and through the workforce. This strategy has been adopted at the federal, state and local levels to increase education, training

and learning opportunities for America's current and emerging workforce.

Career Pathways are an integrated collection of programs and services intended to develop students' core academic, technical and employable skills; provide them with continuous education, training; and place them in high-demand, high opportunity jobs. For more information students can contact the Career Development and Employment Services Office at 410-462-8470.

CENTER FOR ACADEMIC ACHIEVEMENT (TUTORING)

Liberty Campus
Main Office: Main Building, Room 117
410-462-8222

www.bccc.edu/tutoring

The Center for Academic Achievement (CAA) is a multi-center academic service providing BCCC students with a diversity of tutoring and academic support services to assist them in attaining the course-specific knowledge and developing the learning skills necessary to become independent, engaged learners and achieve their academic goals. The CAA fulfills this mission by providing students with premier learning facilities that are consistently perceived as completely equipped, well-maintained and attractive, welcoming, and staffed by knowledgeable instructional tutors and assistants.

Tutoring services are provided free of charge to help students master skills and course content. CAA staff is available in all centers to discuss appropriate study and time management strategies for college students to incorporate into their various content areas to assure student success. Students can connect with a tutor by coming to any of our tutoring centers.

Tutoring Center Locations:

- Writing: MNB 102
- Math: MNB 104
- Science: LSB 302
- Business, Accounting and Technology: MNB 320
- CADD: LSB 244

The CAA also provides a range of learning environments and resources to promote learning success and engagement:

- Individual and small group tutoring
- Online tutoring
- Assistance with forming study groups
- Individual academic assistance
- Writing consulting
- Study skills workshops and materials
- Quiet rooms for individual study and study groups
- Learning spaces equipped with computer and study stations, textbooks, manipulatives, scientific models, and hands-on laboratories

NetTutor is an online tutoring service that is available for students to connect with a live tutor 24 hours a day, 7 days a week. Students can learn how to use this valuable online tutoring service in any tutoring center

CAMPUS LIFE AND SUPPORT SERVICES

or by going to the CAA website: www.bccc.edu/tutoring.

CHI ALPHA EPSILON

Liberty Campus
Main Building, Room 251
410-462-7605

Chi Alpha Epsilon is a national honor society founded in 1990 to recognize the academic achievements of students admitted to colleges and universities through non-traditional criteria or who utilize developmental and educational support services. BCCC's Epsilon Beta Chapter is the first of its kind in Baltimore. Students invited to membership must:

- hold a 3.0 cumulative G.P.A.
- be enrolled for two consecutive full-time semesters or three to four consecutive part-time semesters with the required G.P.A.
- be admitted to the college via a developmental program

CHILD CARE CENTER

The Clarence W. Blount Child Development Center
Liberty Campus
Harper Hall, 1st Floor
410-462-7760

Now enrolling for Winter and Spring 2017 semesters!

The Clarence W. Blount Child Development Center provides quality childcare services for the children of students who attend Baltimore City Community College. Staff and Faculty employed by the college may also utilize the services offered through the center. There are a limited number of spaces available for children from the community.

The Clarence W. Blount Child Development Center strives to promote quality and affordable childcare for children 6 months --12 years of age. We employ professional staff members who are certified and trained to provide quality care to children in an educational environment. Our staff also participates in the Credentialing Program of MSDE. Our center is licensed by the Maryland State Department of Education under the Office of Child Care and complies with all requirements for a licensed childcare facility. In addition, our center shares membership in both the Baltimore City Childcare Association and the Maryland State Childcare Association. We are now able to offer Infant and toddler care, as well as Evening Care! We also offer scholarships under the CCAMPIS (Child Care Access Means Parents In School) grant obtained through the U.S. Department of Education. We are located in Harper Hall, room 115.

COMPLETE COLLEGE BALTIMORE

Academic Affairs Division
Liberty Campus
Main Building, Room 323-B
410-462-7728, 410-462-7691

Complete College Baltimore at Baltimore City Community College supports and empowers learners to succeed as community college graduates, university transfer students, and career professionals.

Complete College Baltimore prepares students through:

- individualized, dedicated advisors and faculty members;
- career and employment support;
- free use of textbooks;
- guaranteed 2-year course schedule;
- smaller class sizes;
- monthly bus passes;
- support transferring to a 4-year university; and,
- tuition waivers for eligible students.

COMPUTER AND INFORMATION TECHNOLOGY SERVICES AND LABS

The College offers many free computer-related services to students and faculty. Registered students receive their own e-mail account which can be accessed from computers in the library and at the open computer labs. Knowledgeable staff members at these labs offer students technical assistance.

BCCC has instituted state-of-the-art multi-user and microcomputer-based applications utilizing various systems. Nearly all of the College's existing computer labs have Internet access and connectivity to the College's data center through high-speed fiber optics cabling.

The Business, Accounting and Technology Lab, located in MNB 320, has state-of-the-art computers to support the courses taught in the business disciplines, including: business, accounting, business computer applications, computer literacy, and computer information systems. Call 410-462-7417 for hours of operation.

The Computer Technology Club, 410-462-8542, gives advice and guidance to students considering the purchase of their own PC, software installation, systems configuration and troubleshooting, programming techniques, and Web page design.

The **Open Computer Lab** located in LSB 260 has 62 Pentium IV computers available Monday-Thursday, 8 a.m. to 9 p.m.; Friday, 8 a.m. to 7 p.m.; and Saturday, 9 a.m. to 2 p.m. The Business, Accounting and Technology Lab, located in MNB 320, has state-of-the-art computers to support the courses taught in the business disciplines, including: business, accounting, business computer applications, computer literacy, and computer information systems. Call 410-462-7417 for hours of operation.

The Department of Social and Behavioral Sciences operates the **Applied Social Science Research Laboratory**. This state-of-the-art 30-station lab supports

CAMPUS LIFE AND SUPPORT SERVICES

computer-based social science research and provides self-paced lessons in social science disciplines. Students have the opportunity to conduct social science research on a variety of professional level software and data sets. The lab supports the disciplines of economics, history, political science, psychology, and sociology.

COUNSELING (STUDENT SUPPORT AND WELLNESS SERVICES)

Liberty Campus
Harper Hall, Room 114
410-462-8384

Student Support and Wellness Services strives to promote positive mental health to help students with their academic and personal goals at Baltimore City Community College. Any BCCC student is able to receive free and confidential individual counseling services. Common mental health issues students struggle with include stress, anxiety, depression, anger, relationship issues, grief and loss, attention and focus difficulties, traumas, self-esteem issues, and substance abuse. Counseling sessions are a collaborative process to safely gain insight and take action to create positive change. Typically, the first visit is one hour with subsequent visits lasting approximately 45 minutes. Students can choose to come on a weekly, biweekly, or as needed basis. A student may be referred out to community agencies based upon factors such as expertise of the staff, medication management, and the availability of staff. Wellness workshops and events are given to the entire BCCC community on topics such as stress management, communication, and test anxiety. Please call for an appointment or inquire about our wellness events at 410-462-8384.

DISABILITY SUPPORT SERVICES

Liberty Campus
Main Building, Room 023
Voice: 410-462-8585; Fax: 410-462-8556;
TTY: 410-462-8584

The Disability Support Services Center (DSSC) provides students and faculty with assistance and information for meeting the requirements of Section 504 of the Rehabilitation Act of 1973 and integrating students with disabilities into Baltimore City Community College. The DSSC facilitates the implementation of reasonable accommodations and services for students who self-identify as having a documented disability. Documentation of a disability is required to determine the need for and what type of special aids or adaptations may be helpful on campus. Accommodations and services are rendered based on the students documented needs and are determined through an interactive process. Prospective students with disabilities are advised to contact the DSSC as early as possible to ensure timely provision of reasonable accommodations, which might include alternative testing arrangements, tape recording lectures, adaptive equipment, note-takers, interpreters, or specialized

computer hardware and software. Services offered by the DSSC are academic advising, registration assistance, diagnostic testing, and instructor consultation.

ENGLISH LANGUAGE INSTRUCTION

Harbor Location
410-986-5434
410-986-5462

English Language Instruction (ELI) offers a comprehensive series of English courses for immigrants, international students and others who want to get a college academic certificate or degree, or improve their language skills for professional development or personal enrichment. New students take a placement test at BCCC's Business and Continuing Education Division (710 E. Lombard Street). The resulting placement recommendation indicates the student's English proficiency level.

ACADEMIC TRACK

Academic Track courses are in the core areas of grammar, reading and writing. Available from intermediate through advanced levels, they satisfy the requirements for entry into credit courses for students seeking a college degree. Successful completion of both required 82-level courses qualifies a student for English 101. International students who want language instruction to pursue a college degree must enroll in Academic Track courses. Other applicants studying English for career objectives or personal enrichment may enroll in Academic Track courses also.

GENERAL ESL

Students whose ELI placement test scores indicate they are beginners enroll in ELI Continuing Education beginning-level classes. After successful completion of Level 2, students may choose to enroll in ELI Academic Track courses or continue with ELI Continuing Education courses. ELI Academic Track has three proficiency levels, intermediate through advanced (ELI 80, 81, and 82). Part-time or full-time study is possible in both areas.

FOOD SERVICES

Liberty Campus
Main Building, Room 107
410-462-7429

At the BCCC Liberty Campus, the BCCC Café features a salad and soup bar, take-out dinners, and daily specials. Breakfast begins at 7:30 a.m., lunch at 11 a.m. and dinner at 5 p.m. during Fall and Spring semesters.

In addition to the Liberty Campus Café, vending machines are located at the Liberty Campus on the ground floor of the Main Building, the first floor of the Nursing Building, and the first floor of the PEC.

CAMPUS LIFE AND SUPPORT SERVICES

INTERCOLLEGIATE ATHLETICS

Liberty Campus

Physical Education Center (PEC), Room 116

410-462-8320

BCCC competes in the National Junior College Athletic Association (NJCAA) and is a member of the Maryland Junior College Athletic Conference (MDJUCO) and competes as a Division I member in all sports. BCCC fields competitive intercollegiate athletic teams in men's and women's basketball, men's cross country and women's volleyball.

JUDICIAL AFFAIRS AND TITLE IX

Liberty Campus

Main Building, Room 09E

410-462-8505

The Office for Judicial Affairs (OJA) is responsible for administrating a campus-wide student disciplinary system, which is student-centered and is based on educational and developmental principles. We strive to uphold community standards while respecting the rights of each student in the community. Our Student Code of Conduct embraces the principles of fair play, compassion, empathy, understanding, objectivity, respect for human dignity and the search for truth. The mission of the OJA is to encourage fairness, civility, and due process throughout the College community through the holistic development of students. The OJA supports the academic and behavioral standards of BCCC by adjudicating violations of the Student Conduct Code in a fair and consistent manner, treating each student with dignity and respect. Services provided by the OJA include but are not limited to:

- Prevention workshops
- Conflict resolution
- Title IX investigations
- Restorative justice
- Mediation services
- Academic Integrity investigations
- Behavioral Intervention Team (BIT) coordination
- Incident Management Advisory Committee (IMAC) administrative hearings .

KAPPA BETA DELTA

Liberty Campus

410-462-7605

Kappa Beta Delta is the international business honor society for two-year institutions established by the Association of Collegiate Business Schools and Programs (ACBSP), the accreditation body for BCCC Business and Technology programs. ACBSP extended its prestigious 10-year renewal of accreditation to BCCC in fall 2014.

The Alpha Omicron Chapter of Kappa Beta Delta at BCCC invites members who:

- are enrolled in an accredited business associate degree program
- have a minimum GPA of 3.0

- have accumulated 15 credits at BCCC
- have accumulated a minimum of six credits in their particular business major

Membership in Kappa Beta Delta is lifetime. Members must stay active in chapter events.

LIBRARY

Liberty Campus

Bard Library

410-462-8400

The Bard Library, located on the Liberty Campus, is open day, evening and weekend hours. Specific opening hours are posted on the BCCC website, Library pages. Online access to e-books and e-journals is available to BCCC students and staff on a 24/7 basis once they have logged on to Canvas, the college's Learning Management System.

Students are encouraged to obtain their BCCC picture ID card from Public Safety as soon as possible. Many library services require students to present their BCCC ID card.

The BCCC collection contains information in a variety of physical formats, including books, DVD's, CD's and printed copies of magazines and newspapers. The digital collection includes E-books, streaming videos, and full-text journals, magazines and newspapers. Some current textbooks are available for limited use. The Bard Library is a member of the Maryland Interlibrary Loan program and can request resources not available in the Library's collection if needed to meet the needs of students and staff.

The Bard Library provides access to technology resources including computers, scanners, laptops, copiers and headphones for use in the library. The Microsoft Office Suite is available on all library computers and laptops.

The Library provides a variety of learning spaces for individual and group learning. There are seven group study rooms, all equipped with white boards. Two of these are equipped with large monitors for use with laptop computers. Group study rooms may be reserved by students and staff up to one week in advance by phone or at the Library.

The knowledgeable and friendly staff of the Bard Library can provide assistance with research assignments and projects. When the library is closed, students may obtain the assistance of a librarian through AskUsNow, a state-wide online reference service. A link to this service is available on the Library website.

MEDIA SERVICES

Liberty Campus

Main Building, Room 116

410-462-8250

Media Services provides a variety of instructional and production services to the College and the community. Media Services staff members maintain audio-visual

CAMPUS LIFE AND SUPPORT SERVICES

equipment and schedule its use. Services include setting up public address systems for large classrooms and auditoriums.

OFF CAMPUS CENTERS

Life Sciences Institute (LSI)
University of Maryland, Baltimore BioPark
801 West Baltimore Street
Baltimore, Maryland 21201

This is where BCCC meets workforce needs of Maryland's growing bioscience industry, by preparing students for careers in the high-demand bio/medical field. This new, top-notch facility enables BCCC Biotechnology and Science Transfer students to pursue their Associate degrees or Certificates on the UMB campus. Short-term training courses include: Multi-Skilled Medical Technician, Nursing Assistant, Venipuncture and Specimen Collection Techniques, Medical Terminology, Medicine Aide and Anatomy and Physiology. The LSI also prepares students for jobs they may acquire with various biotechnology companies whose operations are located at the BioPark.

National Weatherization Training Center and Supply Chain Management Institute
1819 East Preston Street
Baltimore, Maryland 21213

Baltimore City Community College offers non-credit weatherization and distribution courses in East Baltimore using state-of-the-art equipment in the classroom, laboratories and through hands-on instruction. At the National Weatherization Training Center, basic construction trade skills become valuable tools for construction workers and weatherization employers that develop building energy efficiencies and structural repairs competencies. The Supply Chain Management Institute develops the skill sets necessary to fulfill regional business needs in the areas of warehousing, logistics, and supply chain management. BCED's programs in these industries help meet the challenge of producing a pipeline of highly skilled candidates for current and future job growth in the Baltimore area

Reisterstown Plaza Center
Room 114
410-580-2750

Baltimore City Community College at Reisterstown Plaza Mall located in Northwest Baltimore, provides technology-based customized workforce training that prepares the Baltimore region's workforce for the changing demands of Maryland's economy. The Reisterstown Plaza Center offers a wide portfolio of noncredit courses that meet the needs of employers in the private and public sectors and prepare students to compete successfully for employment or advancement opportunities. In an atmosphere suitable for corporate and community-based clients, the center also accommodates community needs by providing conference and classroom spaces for meetings, trainings, testing, and seminars.

PARKING

A parking permit is required to park on the Liberty Campus. Faculty, students, and staff who park on campus must obtain a parking hangtag by registering with the Public Safety Office. A current college ID and valid vehicle registration are required to purchase a hangtag.

The parking fee per semester is \$25 for full-time students; \$15 for part-time students; \$45 for full-time faculty and staff; \$30 for Skilled Service Staff; \$25 for adjunct faculty and staff.

For more information, pick up the Parking Rules and Information booklet from Public Safety, Liberty Main 058, 410-462-7700, or Harbor Bard 103, 410-986-5500.

Parking at UM BioPark (BCCC Life Sciences Institute)
Students enrolled in the BCCC Life Sciences Institute Biotechnology degree programs have two options for parking:

1. Parking is available on the street for \$1.00 per hour (4 hour maximum)
2. Parking is available on the sixth floor or above for student for \$2/day with BCCC ID in Garage One located at 1 North Poppleton Street (at the corner of West Baltimore and Poppleton Streets). The garage closes at 10pm.

PHI THETA KAPPA (THETA ALPHA CHAPTER)

Liberty Campus
410-462-7497

Phi Theta Kappa, an international honor society founded in 1918, promotes scholarship, leadership, service, and fellowship. The society is recognized by the American Association of Community Colleges as the official international honor society for two-year colleges. BCCC's Theta Alpha Chapter is the oldest established chapter in Maryland. Students invited to membership must:

- be enrolled in an associate degree or certificate program
- have accumulated 24 credits (international students must have 12 credits at BCCC)
- have a minimum GPA of 3.4
- have earned no grade lower than a D (excluding developmental coursework)

Members must be active in chapter events and maintain a minimum 3.0 cumulative GPA to continue membership eligibility.

PROMISE ACADEMY

Main Building, Room 155
410-462-7741

The Promise Academy at Baltimore City Community College serves as a comprehensive learning community which provides students with the necessary tools for success in their foundation courses. It offers various

CAMPUS LIFE AND SUPPORT SERVICES

support services central to student achievement paving a pathway for continuous matriculation and College completion.

Program Features:

It is a one-time scholarship that pays for course and course materials.

Support Services that include:

- Comprehensive Learning Communities
- Embedded Tutoring
- One-on-one meetings
- Academic Advising
- Academic Accountability
- Workshops

Criteria include:

- ACCUPLACER scores recommend placement into course Math 80 or ENG 80 (RENG 90).
- Mandatory attendance at the Promise Academy Student Information Session

PUBLIC SAFETY

Liberty Campus
Main Building, Room 058
410-462-7700

The Public Safety Office is responsible for maintaining a safe and secure environment for the College community. The Public Safety Offices at both campuses are staffed 24 hours a day, seven days a week.

ID Booth Hours of Operation:

Monday, Tuesday, Thursday, Friday 8:30 a.m. - 5 p.m.
Wednesday 11 a.m. - 7:30 p.m.

The Public Safety Office also issues college IDs and parking hangtags for the College community. Every BCCC student must have a valid College ID and present the ID to any College official upon request. ID services are available during Arena Registration at the Public Safety Office at the Liberty Campus, Monday through Thursday, 8:30 a.m. to 8 p.m., Friday, 8:30 a.m. to 4 p.m., and Registration Saturday, 8:30 a.m. to noon. At all other times, ID services are available from Monday, Tuesday, Thursday and Friday, 8:30 a.m. to 5 p.m., and Wednesday, 10:30 a.m. to 7 p.m. A copy of the student's paid bill and personal identification is required for a new ID or the validation of a returning student's ID.

Emergency telephones are placed in strategic locations around the Liberty and Harbor Campuses. All emergency phones direct-dial to the Department of Public Safety Office. Grey emergency phones are located in the lobbies of buildings at the Liberty and Harbor campuses. Emergency phones are located near parking and the outside of several building on the Liberty Campus.

In addition, the Public Safety Office maintains an escort service upon request.

Personal property found on campus is turned over to the Public Safety Office, where it can be claimed with proper identification.

PREVENTIVE DENTISTRY CLINIC

Liberty Campus
Life Sciences Building, Room 110
410-462-7712

The Preventive Dentistry Clinic is available to all BCCC students, their families, and faculty as well as members of the community. It is staffed by students and professional faculty who provide dental cleanings, x-rays, and other preventive services for nominal fees. Head Start children and seniors from the community are routinely seen in the Clinic.

RADIO STATION

6776 Reisterstown Road
Suite 202
410-580-5800

WBJC-FM 91.5—the “Classical Voice of Baltimore City Community College” and a primary affiliate of Public Radio International is on the air 24 hours each day year-round, offering a program of classical music, news, and information. WBJC is the largest public radio station in Maryland, with a 50,000-watt capacity reaching listeners in six states and the District of Columbia.

SCHOLARS AND HONORS PROGRAMS

Student Affairs Division
Liberty Campus
Main Building, Room 020
410-462-8303

Scholars and Honors Programs offer many benefits to high achieving students who maintain a 3.0 or higher cumulative average. Programs include the Granville T. Woods and Reginald F. Lewis scholarships for graduating high school seniors from public, private or parochial schools.

Scholars and Honors Programs promote high academic performance in challenging courses designed by a creative team of instructors. Program participants are engaged in culturally enriching experiences, including visits to museums, symphony halls and live theater. Students gain experiential learning through prestigious internships and a global perspective through study abroad.

SHUTTLE

410-462-7700

The College operates a free shuttle service between the Liberty, Harbor, and BioPark Campuses on a regular hour and half hour schedule during the fall and spring semesters from 7 a.m. to 10 p.m. Modified hours are in effect when classes are not in session (for example, spring and winter recess). The shuttle schedule also changes for summer sessions.

CAMPUS LIFE AND SUPPORT SERVICES

STUDENT LIFE AND ENGAGEMENT

Liberty Campus
Main Building, Room 09E
410-462-8385

The Student Activities office provides a comprehensive cultural, social, recreational, health and wellness, and intellectual environment for the entire College community.

The focus of the Student Activities Office is on:

- assisting students to integrate formal classroom learning with informal learning in out-of-classroom learning experiences;
- providing opportunities for student involvement as planners, organizers, or leaders in a variety of programs, clubs and organizations, student publications, musical and theatrical events;
- providing a wide array of programs and services that satisfy the needs of a diverse multicultural student population; and,
- offering an activities program that contributes to the College's growth by attracting prospective students, providing services to members of the community, and retaining presently enrolled students.

In addition, Student Activities provides an opportunity for students' growth and development through leadership groups and a variety of clubs and organizations.

STUDENT GOVERNMENT

Student Government Association (SGA)
Liberty Campus
Main Building, Room 09B
410-462-8361

The student body is known as the Associated Students of Baltimore City Community College. All registered students are members of the Associated Students and should exercise their rights as members. The member board of the Associated Students is known as the Student Government Association (SGA). Its purposes are to promote the academic, cultural, and social growth of the student body; provide experience in the principles and practices of democratic government; and appropriate monies supplied by the Student Activity Fee. Anyone interested in applying for a Board position should contact the SGA.

STUDENT NEWSPAPER

Liberty Campus
Main Building, Room 001B
410-462-8385

The official student publication is the *BCCC Crier*. Advised by faculty and staff and funded by the Student Activity Fee, the *Crier* is published quarterly during the calendar year, both in hard copy and on the BCCC Website at www.bccc.edu. The *Crier* is staffed solely by BCCC students.

STUDENT SUCCESS CENTER

Liberty Campus
Main Building, Room 020
410-462-8555

At the mandatory New Student Orientation, each student meets with a Student Success Advisor to plan and register for classes.

Student Success Specialists help students:

- design a personalized educational plan;
- understand the General Education and College requirements;
- select first-semester courses that contribute to long-range educational goals;
- access College administrative, academic, and student services; and,
- meet transfer requirements.

First-time, full-time students are assigned to Student Success Advisor until they have attempted 12 college credits. The First Year Experience Advisor meets with them throughout their initial semesters to insure that they have a smooth transition to college life and to introduce them to college resources that will help them to succeed at BCCC and in their future endeavors. The overall goal is to help students become self-directed learners as the result of an ongoing relationship between Student Success Advisors and students. The College expects students to take the initiative in seeking out their advisor to set up regular meetings. The registration process requires the advisor's signature each semester.

After first-time, full-time students acquire 12 college credits, they are included with other students who are assigned a Faculty Advisor in their area. The student keeps the same Faculty Advisor throughout his/her enrollment at the College unless the student changes programs or re-enters the College after a significant break in enrollment. The re-entering student is initially advised in the Student Success Center and is assigned a Faculty Advisor the following semester.

Throughout the academic year, Student Success Advisors are available to help students with academic, career, and personal concerns; interpret ACCUPLACER and other test scores; advise students on Academic Warning or Academic Dismissal status; assist students in making personal adjustments to college life; and guide them in the enhancement of their academic survival skills.

Workshops are offered in such areas as stress management, time management, test-taking skills, choosing a major, study skills, and motivation. Student Success Advisors help students develop a full awareness of career opportunities, and utilize computerized information systems in the career-planning process.

CAMPUS LIFE AND SUPPORT SERVICES

STUDENT SUPPORT AND WELLNESS SERVICES

Liberty Campus
Harper Hall, Room 114
410-462-8384

Student Support and Wellness Services (SSWS) provides free and confidential counseling to currently enrolled BCCC students who may want extra support with personal concerns affecting their academic success and general happiness. Students decide what they wish to focus on in counseling and collaborate with the counselor to develop goals to enhance their experience at BCCC and within other areas of the student's life. Common mental health concerns addressed in counseling include stress, life planning and decision making, anxiety, depression, anger, relationships, grief and loss, self-esteem, and any other issue in which a student would like to improve for personal growth.

Workshops and classroom presentations are also conducted to help students and staff be mindful of how taking care of their mental health can improve their success and well-being. Topics such as test anxiety, time management, stress reduction, communication, and kinesthetic learning are offered on a monthly basis. SSWS is available to take requests from students and staff for topics and times workshops are offered. Private groups/workshops are conducted upon request.

TECH PREP

Liberty Campus
410-462-8367

Baltimore City Public School System and BCCC have established a partnership to develop the Tech Prep Program, linking academic and occupational courses to prepare students for a two or four-year college or university, an apprenticeship program, or entry-level job. Tech Prep blends college preparatory courses with rigorous technical training.

Tech Prep begins in the ninth grade and prepares students for careers in high technology and advanced communications fields. By enrolling in a high school Tech Prep Program, a student can plan a career path, start college and career preparation early, learn marketable skills, and earn college credits.

TRIO: SSS/STAIRS PROGRAM

Liberty Campus
Main Building, Room 023
410-462-8396

The TRIO/SSS-STAIRS Program is a federally funded Student Support Services program that is designed to increase the retention, graduation, and transfer rates of program eligible students through services that address their academic, personal/social, financial, career, and other needs. Specific services include academic tutoring, academic advising, financial aid information and assistance in completing financial aid

applications, financial/economic literacy, book awards, transfer services, career information/exploration, and academic/cultural enrichment activities. Other activities of the program include the Clothing Swap and Give-Away, Single Parents' Connection, and a variety of workshops that address the academic and non-academic needs of program participants. In addition to being citizens or permanent residents of the United States, two-thirds of the students enrolled in the program are low-income individuals who are also first-generation college students. The remaining students are either low-income individuals, first-generation college students, or individuals with disabilities. At least one third of the students with disabilities are also low-income individuals. All students accepted into the program must have a need for academic support. The TRIO/SSS-STAIRS program is funded for \$1,677,240 through 2020.

TRIO: UPWARD BOUND MATH AND SCIENCE PROGRAM

Liberty Campus
Main Building, Room 260
410-462-7435

The Upward Bound Math and Science program is designed to strengthen the math and science skills of participating Baltimore City high school students. The goal of the program is to help program participants recognize and develop their potential to excel in math and science and to encourage them to pursue postsecondary degrees in math and science and ultimately in careers in the math and science profession. BCCC Upward Bound Math and Science program consists of Saturday sessions, high school visits, an intensive six-week academic and residential program, and a college bridge program. At the heart of the program is academic study in science, math, engineering and biotechnology. Additional course work in English composition, computer literacy, study skills and leadership training supplement the academic services. Individual and group counseling on personal and academic matters and financial aid information is readily available.

VOCATIONAL SUPPORT SERVICES

Liberty Campus
Main Building, Room 121J
410-462-8222

Vocational Support Services (VSS) provides Career and Technical Education (CTE) students with tools for academic success through workshops and individualized sessions. The Retention Specialist helps students identify learning strengths, target areas for improvement, and build the skills for successful learning and attainment of educational goals. The student and Retention Specialist work with faculty and other campus support services to identify barriers to success and develop strategies to help the student effectively manage the demands of college studies.

BUSINESS AND CONTINUING EDUCATION DIVISION

VSS offers a variety of services and student success workshops for CTE students. Services and workshops provided are

- Connections to Tutoring Support
- Vocational/ Career Support
- Better Student Workshops
- Learning Strategies
- Goal Setting/ Time Management
- Effective Study Skills
- Assessments of Learning Styles and Test Taking Skills
- Math Anxiety/ Test Anxiety

YEAR UP

**Liberty Campus
South Pavilion
410-462-8531**

Year Up is a one year, intensive training program that provides urban young adults ages 18-24, with a unique combination of technical and professional skills, college credits, an educational stipend and an internship with a corporation or the federal government. Our success is our graduates — enabling them to move on to a full-time career and higher education. Year Up is about providing opportunities for our young adults and maximizing their true potential. In partnership with the Baltimore Community College, students experience the following:

- Preparing for entry-level careers in information technology
- Learn business etiquette and personal finance
- Dressing for success
- Earn up to 22 college credits
- Earn a weekly stipend
- Earn a six-month paid internship
- Learn the soft skills required to succeed in a professional career

Year Up was founded on the belief that everyone deserves the opportunity to realize his or her potential. Year Up recognizes that a national "Opportunity Divide" exists, a disconnection or gap from the economic mainstream that many of our youth experience. Our innovative approach takes four elements - education, experience, support, and guidance - and combines them into a system that emphasizes high expectations for quality work and professional behavior.

Our national success as of 2013 during a time of historic youth unemployment and the graduation of our largest class to date, Year Up saw 86% of its alumni go on to pursue full-time employment or education within four months of graduating. Those employed are earning an average starting wage of \$15.86 per hour.

BUSINESS AND CONTINUING EDUCATION DIVISION (BCED)

Harbor Location

**710 E. Lombard Street • Baltimore, MD 21202
410-986-3200**

The Business and Continuing Education Division (BCED) offers courses designed to create opportunities for personal growth and professional development. BCED works with businesses, government agencies, and professional associations to identify training needs for the people of Baltimore City.

BCED courses are offered at the Liberty Campus, the Harbor satellite location, Reisterstown Plaza Center, workplace sites, and more than 60 off-campus locations throughout Baltimore City.

BCED offers services in four primary areas: Workforce Development, Community Education, Adult Basic Education, and English As A Second Language.

WORKFORCE DEVELOPMENT

**Harbor Location, Reisterstown Plaza Center
410-986-5413 or 410-580-2750**

The Workforce Development and Community Education Services Department partners with local business and industry to offer cost effective, state-of-the-art contract and customized training; occupational training; industry certifications; and lifelong learning opportunities. The Department's primary focus is on engaging employers, community organizations and agencies to build a competitive workforce through collective partnering. The department's programs contribute significantly to Baltimore's economic and workforce development initiatives. Below are the industries for which we provide high-quality, low-cost career training.

HEALTHCARE

- Advance Patient Care (APC)
- CPR for Healthcare Providers
- EKG Essentials
- Medical Terminology
- Medicine Aide
- Medicine Aide Update
- Multi-Skilled Medical Technician (Multi certificate program)
- Nursing Assistant (CNA/GNA)
- Patient Care Technician (PCT)
- Pharmacy Calculations
- Pharmacy Technician
- Venipuncture Specimen Collection Techniques

HOSPITALITY/TOURISM

- Food Service Sanitation Management Recertification
- Food Service Sanitation Management
- Hotel Guest Professional I
- Hotel Guest Professional II
- Table Games Dealer Training

TRANSPORTATION/CONSTRUCTION

- Weatherization Tactics

BUSINESS AND CONTINUING EDUCATION DIVISION

- Solar PV Installer
- Quality Control/Inspector
- Certified Sustainability Manager
- BPI Building Analyst
- Warehouse Inventory Control Associate

OTHER CAREER TRAINING

- Court Reporting
- Child Care Professional
- Customized Workforce Training

BCCC offers staff development training that can be customized to fit the specific needs of your employees. Training can be offered at any of BCCC's campuses or on site at a location of your choice. Below is just a sample of training opportunities offered by BCCC:

- Workplace Safety
- Sales Training
- Leadership
- Problem Solving
- Project Management
- Business Planning
- Administrative Essentials
- Communications
- Team Building
- Marketing
- Business Writing
- Conflict Resolution
- Supervisors and Managers
- Negotiation Skill
- Business Etiquette
- Customer Service

COMMUNITY EDUCATION SERVICES

**Harbor Location, Reisterstown Plaza Center
410-580-2750**

Community Education Services provides popular courses for individuals in Baltimore City's Senior Centers. These classes include computer, language and art classes. Please call 410-580-2750 to find out more.

ADULT BASIC EDUCATION

**Harbor Location, Reisterstown Plaza Center
410-986-5444 or 410-580-2750**

BCCC is a leader in helping adults achieve functional literacy and important life skills, and is the largest provider of literacy services in Baltimore City. By combining modern teaching technologies with a caring, committed, and innovative professional staff, BCED has achieved notable success in helping adults learn. Courses are either free or affordable, and can be customized for businesses, government agencies, non-profits, schools, churches, and community organizations either onsite, or at the Harbor, Liberty Campus, or Reisterstown Plaza Center.

BCED offers four interrelated program opportunities to individuals and employee groups: basic literacy, basic skills (Pre-GED® preparation), GED® test preparation, and an alternative diploma options program.

Basic Literacy

Basic literacy classes are designed to help students develop basic reading and writing skills. These classes employ the Wilson Reading Method to support individual and small group instruction.

Basic Skills

Classes in Adult Basic Education (ABE) provide classroom instruction in basic reading, writing, and math, as well as basic life skills. Courses are offered at no cost to adults on campus and at more than 40 sites throughout Baltimore City. They are also a pathway to building skills necessary to take the GED® test preparation classes.

GED® Test Preparation

GED® courses prepare adults to earn their Maryland High School Diploma by successfully completing the tests of General Educational Development. These courses provide training in the four content areas: Reasoning Through Language Arts, Social Studies, Science, and Mathematical Reasoning.

Alternative Diploma Options

The Alternative Diploma Options Program features online coursework, supplemental instruction, tutoring support and life skills modules to help students transition into post-secondary education and the workforce. Interested participants must provide a verification letter from the Guidance Counselor. Students are responsible for a \$100 fee.

Key Offerings:

Credit Recovery Institute (Remedial)

- For high school students in grades 9-12 needing to recover credits.
- Students must be referred to the Institute by a high school guidance counselor.
- Students are enrolled in online classes based on course outline by their guidance counselors.

There is a \$100 fee for this course.

Griggs International Academy (High School Diploma)

- Students must be Maryland residents age 17 or older.
- Students must have an official high school transcript showing 14 or more credits earned.
- Students must complete 20 hours of community service at a non-profit agency.
- A minimum of 5 classes is needed for completion through Griggs University International Academy in order to receive a diploma.

There is a flat fee charge of \$600 which can be paid in two increments of \$300.

BUSINESS AND CONTINUING EDUCATION DIVISION

ENGLISH LANGUAGE SERVICES AND BASIC SKILLS

**Harbor Location, Reisterstown Plaza Center
410-986-5430 or 410-580-2750**

BCED's English Language Services and Basic Skills offers a variety of English as a Second Language (ESL) curricula to meet the diverse language needs of both Maryland residents as well as international students. Services include: English Language Instruction for immigrants and international students seeking preparation for additional academic study; basic English language skills development for immigrants, refugees, and asylees; specialized programs for refugees and asylees; ESL sections of Adult Basic Education classes for GED® preparation; and citizenship preparation. In addition, English Language Services and Basic Skills also meets the needs of the business community in terms of providing English Language and basic skills development on a contractual basis. Integrated courses that combine both basic skills development and workforce training are also available.

English Language Instruction

English Language Instruction (ELI) offers a comprehensive series of English courses for immigrants, international students, and others who want to get a college academic certificate or degree, develop their language skills for personal enrichment, or obtain a GED®. New students take a placement test at the Harbor Campus to determine their appropriate level of study. Academic Track courses are in the core areas of grammar, reading, writing, listening, and presentation skills. Available from intermediate through advanced levels, these courses satisfy the requirement for entry into credit courses for students pursuing a college degree. Successful completion of the required 82-level courses qualifies a student for English 101. BCCC can issue I-20s to international students who qualify.

In addition to Academic Track courses, ELI offers Continuing Education courses for students seeking to develop their English proficiency beyond the basic levels. Pre GED® for ESL classes develop students' basic skills and test-taking skills to pass the GED® test.

Basic English Language Skills

BCED's Community ESL program provides basic English skills development and literacy services for the immigrant and refugee populations of Maryland. Sponsored by grants from the Department of Labor, Licensing and Regulation (DLLR) as well as the Maryland Office for Refugees and Asylees (MORA), these courses are offered free of charge to students who qualify. Interested students need to contact the ESL Student Counselor at the Harbor campus to schedule a testing and registration session to ensure they are placed at the appropriate level. Classes are offered throughout the year at both on-campus and off-campus community sites.

Basic Skills Instruction

Basic Skills instruction helps foreign and native born students prepare for the workplace by providing skills upgrading in the areas of reading, writing, math, and English as a foreign language. Basic skills instruction is offered as stand-alone coursework and as the innovative Integrated Maryland Basic Education Skills Training (MIBEST) model which combines occupational training with basic skills development. Additional course options include job readiness and computer technology.

Refugee and Asylee Services

BCED offers numerous services to the Refugees and Asylees that are resettled in both Baltimore City and in Maryland. In addition to the Basic English Language Skills courses available throughout the year, BCED also coordinates after school and summer programming for refugee youth in Baltimore City as part of the Refugee Youth Project. In addition, job training and employment skills are also taught as part of the Refugee Employment Training Program.

Citizenship Preparation

Citizenship Preparation provides the civics knowledge and English language skills necessary to pass the U.S. Citizenship and Immigration Services (USCIS) naturalization interview. Classes are offered at BCCC sites and locations throughout the state of Maryland. Registration is ongoing and is open to all students with permanent residency for at least four years and nine months or marriage to a U.S. citizen for three years minimum.

INSTRUCTIONAL PROGRAMS

BCCC DEGREE AND CERTIFICATE INSTRUCTIONAL PROGRAMS

The chart on the next page lists in alphabetical order every program offered at BCCC, indicating whether the program is a degree or certificate program or both. When a number of programs fit a broad category, they are grouped alphabetically under one heading.

DEFINITIONS:

Associate Degree: awarded for successful completion of at least 60 semester hours of academic credit in a planned sequence of learning experiences.

Concentration: a sequential arrangement of courses within an associate degree program.

Certificate: awarded for successful completion of at least 12 semester hours of academic credit in a single field

or in an interdisciplinary or multidisciplinary field that provides a body of knowledge, methods of study, and practice appropriate to a subject area.

Track: a sequential arrangement of courses within a certificate program.

Note: The descriptions of Instructional Programs detail associate degree programs with semester-by-semester suggested sequences of courses and certificate programs with a list of required courses. When programs have both a degree, concentration, and certificate, the certificate program always immediately follows the degree program, even when they have different names. The number in parentheses following the program name is the Program Code number used on the College's admissions application.



INSTRUCTIONAL PROGRAMS

DEGREE AND CERTIFICATE INSTRUCTIONAL PROGRAMS

	Associate Degree Program	* Concentration within Degree	Certificate Program	Page Number
Accounting	AAS		✓	54
Allied Human Services	AA		✓	48
Addiction Counseling	AAS	✓	✓	48
Arts and Sciences Transfer	AA			50
Arts and Sciences - Art		✓		50
Arts and Sciences - Music		✓		50
Arts and Sciences - Theatre		✓		51
Arts and Sciences - Psychology		✓		52
Arts and Sciences Transfer	AS			50
Arts and Sciences - Mathematics		✓		51
Arts and Sciences - Science		✓		52
Biotechnology	AAS			53
Biotechnology Lab Certificate			✓	53
Business Administration Transfer	AS			55
Business	AAS			54
Business Management		✓		55
Business Marketing		✓		56
Computer-Aided Drafting and Design	AAS			57
Computer Information Systems	AAS			58
IT Basic Skills			✓	59
Construction Supervision	AAS		✓	56
Cyber Security and Assurance Certificate Program			✓	59
Dental Hygiene	AAS			60
Early Childhood Education	AAS		✓	62
Maryland State Child Day Care Training Certification		▲		63
Elementary Education/Generic Special Education PreK-12	AAT			82

DEGREE AND CERTIFICATE INSTRUCTIONAL PROGRAMS

	Associate Degree Program	* Concentration within Degree	Certificate Program	Page Number
Special Education Assistant			✓	81
Engineering Transfer	AS			64
Electrical Engineering	ASE			63
Fashion Design	AAS		✓	64
Fashion Retailing		✓		66
General Studies Transfer	AA			66
Health Information Technology	AAS			67
Coding Specialist			✓	68
Lab Animal Science			✓	68
Law Enforcement and Correctional Administration	AAS	✓		69
Law Enforcement		✓		69
Legal Assistant	AAS			71
Nursing	AS			71
Practical Nursing			✓	73
Office Administration	AAS			74
Paramedic Bridge Certificate			✓	75
Paramedic Certificate			✓	75
Paramedicine	AAS			75
Physical Therapist Assistant	AAS			76
Respiratory Care	AAS			77
Robotics/Mechanronics Technology	AAS			78
Surgical Technologist	AAS			79
Teacher Education Transfer	AA			82
Maryland Teacher Certification Pathway		▲		80
Teacher Education Math/Science		✓		81

▲ This is not a college degree or certificate program.

* Concentration does "NOT" represent a specific degree. A concentration refers to a specific course focus within a designated degree program.

INSTRUCTIONAL PROGRAMS

GENERAL EDUCATION REQUIREMENTS

Every degree-seeking student must complete the College's General Education Requirements in addition to the requirements of his/her academic program. Through the College's General Education Requirements, students acquire basic knowledge of the disciplines in the areas of arts and humanities, social and behavioral sciences, biological and physical sciences, mathematics, English composition.

GENERAL EDUCATION REQUIREMENTS AND COURSES

Effective July 1, 2017, Associate of Arts (AA) and Associate of Science (AS) programs require between 28 and 36 credits of General Education courses. Associate of Applied Science (AAS) programs require a minimum of 18 credits of General Education.

CATEGORY	TITLE	COURSES	AA AND AS DEGREES	AAS DEGREE
I	Arts and Humanities	Arts: ART 106, ART 113, ART 114, ART 122, ART 225, MUS 103, MUS 105, MUS 106 Humanities: ENG 200, ENG 201, ENG 202, ENG 205, ENG 207, ENG 208, ENG 210, SP 101, PHI 101, PHI 104	6 credits, including one course in each of two disciplines in arts and humanities	3 credits
II	Social and Behavioral Sciences	ECO 101, ECO 201, ECO 202, GEO 102, H 101, H 102, H 110, H 111, H 151, H 152, H 201, PS 101, PS 102, PS 201, PSY 101, PSY 104, SOC 101, SOC 108, SOC 120, SOC 205, SOC 210, SOC 223	6 credits, One course in each of two disciplines in social and behavioral sciences.	3 credits
III	Biological and Physical Sciences:	BIO 101, ES 110, SCI 100, SCI 106 Biological Sciences Courses with Labs: BIO 102, BIO 103, BIO 107, BIO 202, BIO 203, BIO 212 Physical Sciences with Labs: CHE 101, CHE 102, PHSC 110, PHSC 120, PHY 101, PHY 102, PHY 203, PHY 204	7 credits, including one 4-credit science lab	3-4 credits
IV	Mathematics	MAT 107, MAT 115, MAT 125, MAT 127, MAT 128, MAT 129, MAT 140, MAT 141	3-4 credits	3-4 credits
V	English Composition	ENG 101	3 credits	3 credits
VI (Optional, see individual program requirements)	Inter- disciplinary and Emerging Issues	CRJ 101, HEA 205, HUM 202, HUM 205, HUM 207, MGMT 180, PHI 105, SOC 150, SOC 250	limited to 8 credits	limited to 8 credits

GENERAL EDUCATION

COMAR Regulations (13B-02-02.16): An in-State institution shall provide to its students, within the required curriculum for graduation, a general education that is designed to provide the student with the skills and knowledge necessary to:

- (a) Communicate effectively in oral and written English;
- (b) Read with comprehension;
- (c) Reason abstractly and think critically;
- (d) Understand and interpret numerical data;
- (e) Understand the scientific method;
- (f) Recognize and appreciate cultural diversity;
- (g) Understand the nature and value of the fine and performing arts; and
- (h) Demonstrate information literacy.

BCCC GENERAL EDUCATION STATEMENT

BCCC defines general education as educational experiences that enable students to become informed, independent, critical thinkers. Through the diverse curriculum, students acquire knowledge and skills to communicate effectively, reason abstractly, gather/evaluate/interpret numerical data as well as written information, draw conclusions based on evidence, apply knowledge to real world situations, develop an appreciation for social and cultural diversity, value the arts, and become individuals prepared for the lifelong journey of learning and responsible citizenship in their communities, the nation and the world.

- Communicate effectively in oral and written English (Oral and Written Communication).
- Reason abstractly and think critically (Critical Thinking).
- Understand and interpret numerical data (Numerical Analysis).
- Read with comprehension and draw conclusions based on evidence (Deductive and Inferential Thinking).
- Understand the differences as well as commonalities among people (Multicultural Diversity).
- Understand and utilize skills responsible for living as responsible, ethical and contributing citizens (Personal Development and Social Responsibility).
- Reflect upon the arts and the role of the arts in the human experience (Arts and aesthetic awareness).
- Identify, locate, and effectively use information from various print and electronic sources (Informational and Computer Literacy).

CORE COMPETENCIES

In parenthesis at the end of each competency statement is (are) letter(s) that match the newly developed competencies to the GE requirements as found in COMAR 13B-02-02.16.62

I. COMMUNICATION

Student will:

- Speak, read, and write effectively and access, evaluate, utilize and organize information from a variety of sources; (a,b)
- Analyze and reflect on complex issues, and synthesize ideas in clearly written and well-organized standard English; (c,a)
- Demonstrate the basic concepts and practices associated with oral presentations. (a, b)

II. ARTS and HUMANITIES

Students will:

- Develop an aesthetic sensibility and the intellectual skills of critical analysis (c, f, g)
- Form artistic judgments by exposure to the rich history and diversity of human knowledge and thought; and (f, g)
- Understand the achievements of diverse cultures, as they are expressed in the arts, literature, religions, philosophy, foreign languages, and linguistic. (f, g)

III. SOCIAL SCIENCES and CULTURAL AWARENESS

Students will:

- Develop an understanding of the commonalities among world cultures and the influence of culture and the environment on individuals and groups; (f)
- Understand the complexities of social and psychological relations and human experiences and the ways in which they have changed over time, through the systematic study of societies and human behaviors; and (c, f)
- Utilize critical and ethical reasoning to respond to current events and issues. (c)

IV. MATHEMATICAL and SCIENTIFIC REASONING

Students will:

- Analyze and evaluate information from mathematical and scientific perspectives and develop reasoned solutions to real world problems; (c, d, e)
- Demonstrate knowledge of the scientific method; and (e)
- Gain competence in mathematical literacy and reasoning along with critical thinking skills necessary for making informed judgments. (c)

V. PERSONAL DEVELOPMENT and SOCIAL RESPONSIBILITY

Students will:

- Develop skills that promote personal wellness, teamwork, lifelong learning and personal life-management skills; (c)
- Formulate a framework for ethical decision-making and personal responsibility through critical reflection on their values, the values of others and the values shaping society; and (c)
- Demonstrate traits of a well-educated individual by cultivating a sense of personal responsibility and social accountability. (f)

INSTRUCTIONAL PROGRAM

VI. Informational and Technological Literacy

Students will:

- Demonstrate these computer skills: use basic software programs, search the Web, use proper etiquette and security safeguards when communicating through e-mail. (h)
- Identify, locate, and effectively use information from various print and electronic resources. (h)
- Combine aspects of information literacy and consider the ethical, legal and economic implications of information use. (h)

ALLIED HUMAN SERVICES PROGRAMS

Liberty Campus

School of Arts and Social Sciences

Education, Social and Behavioral Sciences

Department

410-462-7665

ALLIED HUMAN SERVICES DEGREE PROGRAM:

Concentrations offered:

- Allied Human Services Degree (M125)
- Addiction Counseling Concentration (M127)

ALLIED HUMAN SERVICES CERTIFICATES:

Certificate Programs

- Allied Human Services (M048)
- Addiction Counseling (M128)

The current trend toward comprehensive and unified delivery of human services and the need for workers who can function in a variety of human services situations are reflected in BCCC's combining classroom instruction and clinical/fieldwork experiences. Thus, students are able to bridge the gap between academic theory and the real world of social services work. The grouping of these options under the Allied Human Services umbrella meets workers' need for career mobility, and provides service organizations with flexible sources of manpower.

Every potential human services student is urged to look at each program's separate description in order to gain the full picture of opportunities available for BCCC training in Allied Human Services.

ALLIED HUMAN SERVICES DEGREE (M125)

Allied Human Services is tailor-made for students. These students study an Allied Human Services core in which they receive the special instruction and career foundation courses needed for such fields as social work, mental health, counseling, gerontology, social and behavioral sciences, law enforcement, government service, education, and community and social planning.

The BCCC course-of-study is designed to be flexible enough to fit each student's career goals.

Allied Human Services

Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
AHS 100	Introduction to Human Services	4
BIO 102	Principles of Biology	4
ENG 101	English Writing	3
MAT 107	Modern Elementary Statistics	3
Total Semester Credits		15

2nd Semester		Credits
AHS 101	Clinical/Fieldwork I: Human Services Individual Counseling	4
AHS 103	Group Dynamics: Small Group Analysis	3
ENG 102	Introduction to the Term Paper and Research Methods	3
SOC 101	Introduction to Sociology	3
SP 101	Fundamentals of Speech Communications	3
Total Semester Credits		16

3rd Semester		Credits
AHS 102	Clinical/Fieldwork II: Human Services Individual Counseling	5
ENG 200	Introduction to Literature	3
H-Elective	H 101, H 110, or H 151	3
HLF-Elective	Health and Life Fitness	1
PSY 101	Introductory Psychology	3
Total Semester Credits		15

4th Semester		Credits
HLF-Elective	Health and Life Fitness	1
H-Elective	H 102, H 111, or H 152	3
PHI 101	Introduction to Philosophy	3
HEA 102	CPR/First Aid	1
PSY 204	Abnormal Psychology	3
BUAD 112	Computers for Business Management	3
Total Semester Credits		14
Program Total		60

ADDICTION COUNSELING CONCENTRATION (M127) ALLIED HUMAN SERVICES DEGREE

The Addiction Counseling concentration is designed for students interested in careers in addiction counseling. Available to both full- and part-time students, this specialization includes five addiction-specific courses totaling 15 credit-hours. Students pursuing the Addiction Counseling concentration are also provided clinical/fieldwork in addiction agencies, allowing students to accumulate a total 270 hours of direct experience working with drug and alcohol abusers in treatment.

This concentration is specifically designed to respond to the need for additional substance abuse counselors. The coursework provides career development opportunities and entry-level skills development in meeting State requirements for the Board of Professional Counselors and Therapists.

INSTRUCTIONAL PROGRAMS

Addiction Counseling Concentration Associate of Applied Science Degree in Allied Human Services Degree Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
ADC 106	Fundamentals of Chemical Dependency Treatment	3
ADC 108	Pharmacology of Chemical Dependency	3
AHS 100	Introduction to Human Services	4
ENG 101	English Writing	3
PSY 101	Introductory Psychology	3
Total Semester Credits		17
2nd Semester		Credits
ADC 201	Chemical Dependency Counseling Skills	3
AHS 101	Clinical/Fieldwork I: Human Services Individual Counseling	4
PSY 104	Developmental Psychology	3
HLF-Elective	Health and Life Fitness	1
SP 101	Fundamentals of Speech Communication	3
AHS 295	Professional Ethics in the Human Services	3
Total Semester Credits		17
3rd Semester		Credits
BIO 101	General Biology	3
ADC 202	Assessment and Treatment Planning with Chemically Dependent Clients	3
AHS 102	Clinical/Fieldwork II: Human Services Group Counseling	5
HLF-Elective	Health and Life Fitness	1
SOC 101	Introduction to Sociology	3
Total Semester Credits		15
4th Semester		Credits
MAT 107	Modern Elementary Statistics	3
PSY 204	Introduction to Abnormal Psychology	3
Gen Ed-Elective	Choose any General Education course	3
CLT 100	Computer Literacy	2
Total Semester Credits		11
Program Total		60

* A current American Red Cross CPR/First Aid card meets the HEA 102 requirement.

The Addiction Counseling certificate track is specifically designed to prepare students and practicing professionals for entry-level positions as substance abuse counselors. This program is designed to provide career development opportunities to increase the number of credentialed counselors in the Baltimore region. This program also increases the skills of practicing entry-level Alcohol and Other Drug Abuse (AODA) counselors by providing skills training to help them meet requirements for certification and by providing internship opportunities for students desiring to work in this mental health specialization.

Priority for admission to this certificate track goes to those planning to work in the Baltimore City area. Applicants must have a high school diploma or GED®, no fewer than three years of AODA work experience, and no history of alcohol or other drug misuse or active dependency for a period of two years immediately prior to admission to this program. Please note that this academic certificate is not a substitute for certification through the Board of Professional Counselors and Therapists.

ADDICTION COUNSELING CERTIFICATE (M128)

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

Courses		Credits
PRE 100	Preparation for Academic Achievement	1
ADC 106	Fundamentals of Chemical Dependency Treatment	3
ADC 108	Pharmacology of Chemical Dependency	3
ADC 201	Chemical Dependency Counseling Skills	3
ADC 202	Assessment and Treatment Planning with Chemically Dependent Clients	3
AHS 100	Introduction to Human Services	4
AHS 101	Clinical/Fieldwork I: Human Services Individual Counseling	4
AHS 102	Clinical/Fieldwork II: Human Services Group Counseling	5
CLT 100	Computer Literacy	2
Program Total		28

ALLIED HUMAN SERVICES CERTIFICATE (M048)

The Allied Human Services certificate track trains students to assist professionals in providing services such as interviewing clients, interpreting programs and services, participating in neighborhood programs and projects, case-finding and outreach activities, and providing daily services to meet the social and physical needs of clients or patients. The student's own life experience and knowledge of people are the most important qualifications for admission to this track. Credits for this track may be used toward the Associate degree in Allied Human Services.

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

Courses		Credits
PRE 100	Preparation for Academic Achievement	1
AHS 100	Introduction to Human Services	4
AHS 101	Clinical/Fieldwork I: Human Services Individual Counseling	4
AHS 103	Group Dynamics: Small Group Analysis	3
AHS 104	Activity Therapies	3
HEA 102	First Aid and Safety	1
Program Total		16

*A current American Red Cross CPR/First Aid cards meets the HEA 102 requirement.

INSTRUCTIONAL PROGRAMS

ARTS AND SCIENCES TRANSFER PROGRAM

Liberty Campus

School of Arts and Social Sciences

Business, Science, Technology, Engineering and Mathematics

Increasingly, highly motivated students whose sights are set on careers in law, medicine, pharmacy, business, education, government service, journalism, the visual arts, music, the social sciences, languages, and other fields are finding that the most strongly recommended path to a bachelor's degree and professional school training is a liberal arts education. BCCC's Arts and Sciences Transfer Program is an excellent means to begin this path. In addition to offering an enriched liberal arts study, the program provides students with individual support by the Arts and Sciences Program Coordinator and the College's transfer counselor. Following initial advisement by the Program Coordinator, the entering student selects a specific program concentration:

ARTS AND SCIENCES TRANSFER DEGREE (ASSOCIATE OF ARTS)

- Art Concentration (M170)
- Psychology Concentration (M507)
- Music Concentration (M603)
- Theatre Concentration (M606)

ARTS AND SCIENCES TRANSFER DEGREE (ASSOCIATE OF SCIENCE)

- Mathematics Concentration (M503)
- Science Concentration (M504)

Following admission to the program, the student progresses at his/her own pace through the carefully selected courses designed to lay the foundation needed for advanced study leading to a bachelor's degree. At the appropriate point, each student is fully assisted in the process of transferring to a four-year college or university.

Art Concentration (M170)

Associate of Arts Degree in Arts and Sciences Transfer

410-462-7690

Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
ART 101	Beginning Drawing	3
ENG 101	English Writing	3
MAT 107	Modern Elementary Statistics	3
PHI 104	Logic and Critical Thinking	3
SP 101	Fundamentals of Speech Communication	3
Total Semester Credits		16

2nd Semester		Credits
ART 102	Beginning Painting	3
ART 105	Fundamentals of Design	3
BIO 102	Principles of Biology	4
ENG 200	Introduction to Literature	3
HLF-Elective	Health and Life Fitness	1
MUS 103	Music Appreciation	3
Total Semester Credits		17

3rd Semester		Credits
ART 113	History of Art I	3
ART 130	Graphic Design Materials and Methods	3
ART 200	Intermediate Drawing	3
HLF-Elective	Health and Life Fitness	1
SOC 101	Introduction to Sociology	3
Total Semester Credits		13

4th Semester		Credits
ART 114	History of Art II	3
ART-Elective	Art Elective	3
PSY 101	Introductory Psychology	3
PHSC 110	Physical Science	3
CLT 100	Computer Literacy	2
Total Semester Credits		14
Program Total		60

*ART Electives		Credits
ART 107	Basic Photography	3
ART 108	Intermediate Photography	3
ART 119	Anatomy and Life	3
ART 121	Arts and Crafts	3
ART 122	Introduction to African American Visual Arts	3
ART 125	Basic Jewelry	3
ART 130	Introduction to Computer Graphics	3
ART 199	Individual Study in Art	3
ART 202	Advanced Drawing II	3
ART 205	Sculpture	3
ART 207	Basic Ceramics	3
ART 208	Basic/Intermediate Ceramics	3
ART 209	Printmaking	3
ART 217	Advanced Painting	3

Music Concentration (M603)

Associate of Arts Degree in Arts and Sciences Transfer

410-462-7690

Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
ENG 101	English Writing	3
HLF-Elective	Health Life Fitness	1
MAT 107	Modern Elementary Statistics	3
MUS 100	Introduction to Music Fundamentals	3
MUS 101	Theory of Music I	3
MUS 128	Choir I	1
MUS 191	Ear Training I	1
Total Semester Credits		16

INSTRUCTIONAL PROGRAMS

2nd Semester		Credits
SP 101	Fundamentals of Speech Communication	3
SCI 100	Elements of Earth Science	3
MUS 123	Piano I	2
MUS 192	Ear Training II	1
MUS 140	Applied Music I	2
MUS 102	Theory of Music II	3
MUS 129	Choir II	1
Total Semester Credits		15

3rd Semester		Credits
BPS-Elective	Biological and Physical Sciences	4
SBS-Elective	General Education Requirements: Social and Behavioral Sciences	3
H 101	History of American Civilization OR	3
H 151	World History	
MUS 141	Applied Music II	2
MUS 273	Piano II	2
MUS 130	Choir III	1
HLF-Elective	Health Life Fitness	1
Total Semester Credits		16

4th Semester		Credits
AH-Elective	General Education Requirements: Arts and Humanities	3
SBS-Elective	General Education Requirements: Social and Behavioral Sciences	3
MUS 292	Applied Music III	2
ENG 200	Introduction to Literature	3
CLT 100	Computer Literacy	2
Total Semester Credits		13
Program Total		60

Theatre Concentration (M606)
Associate of Arts Degree in Arts and
Sciences Transfer
410-462-7690

Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
ART 106	Art in the Culture	3
ENG 101	English Writing	3
SP 101	Fundamentals of Speech Communication	3
MAT 107	Modern Elementary Statistics	3
THEA 101	Introduction to the Theatre	3
Total Semester Credits		16

2nd Semester		Credits
BIO 102	Principles of Biology	4
H 101	History of American Civilization I	3
HLF-Elective	Health and Life Fitness	1
THEA 107	Script Analysis	3
THEA 111	Acting I (for the Major)	3
Total Semester Credits		14

3rd Semester		Credits
ENG 200	Introduction to Literature	3
BPS-Elective	Biological and Physical Sciences	3
THEA 112	Movement for the Stage Actor	3
THEA 113	Vocal Training for the Actor	3
THEA 200	History of Theatre I	3
Total Semester Credits		15

4th Semester		Credits
SBS-Elective	General Education Requirement: Social and Behavioral Sciences	3
HLF-Elective	Life Fitness and Health	1
THEA 201	History of the Theatre II	3
THEA 210	Acting II	3
THEA 250	Theatre Production	3
CLT 100	Computer Literacy	2
Total Semester Credits		15
Program Total		60

Mathematics Concentration (M503)
Associate of Science Degree in
Arts and Sciences Transfer
410-462-7631

Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
ENG 101	English Writing	3
HLF-Elective	Health and Life Fitness	1
MAT 140	Calculus I	4
PHI 104	Logic and Critical Thinking	3
SP 101	Fundamentals of Speech Communication	3
Total Semester Credits		15

2nd Semester		Credits
CSC 108	Programming in C	3
ECO 201	The American Economy I: Macroeconomic Theory	3
ENG 200	Introduction to Literature	3
MAT 141	Calculus II	4
MAT 107	Modern Elementary Statistics	3
Total Semester Credits		16

3rd Semester		Credits
MAT 219	Discrete Mathematics	3
H 101	History of American Civilization OR	3
H 151	World History I	
MAT 210	Advanced Calculus	4
PHY 203	General Physics I	5
Total Semester Credits		15

4th Semester		Credits
HLF-Elective	Health and Life Fitness	1
MAT 211	Differential Equations	4
MAT 212	Linear Algebra	4
PHY 204	General Physics II	5
Total Semester Credits		14
Program Total		60

INSTRUCTIONAL PROGRAMS

Psychology Concentration (M507)

Associate of Arts Degree in
Arts and Sciences Transfer
410-462-7665

Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
BIO 102	Principles of Biology	4
ENG 101	English Writing	3
HLF-Elective	Health and Life Fitness	1
PSY 101	Introduction to Psychology	3
BUAD 112	Computers for Business Management	3
Total Semester Credits		15
2nd Semester		Credits
BIO 107	Anatomy and Physiology	4
ENG 102	Introduction to the Term Paper and Research Methods	3
HLF-Elective	Health and Life Fitness	1
PHI 104	Logic and Critical Thinking	3
PSY 104	Developmental Psychology	3
SOC 101	Introduction to Sociology	3
Total Semester Credits		17
3rd Semester		Credits
H 101	History of American Civilization OR	3
H 151	World History I	
PSY 206	Social Psychology	3
SOC 150	Cultural Diversity in the Workplace	3
ART-Elective	Arts Elective- Select 1 Course	3
MAT 107	Modern Elementary Statistics	3
Total Semester Credits		15
4th Semester		Credits
H 102	History of American Civilization II OR	3
H 152	World History II	
PSY 210	Introduction to Methods in Psychological Research	4
PSY-Elective	Psychology Electives: Select 1 Course	3
SP 101	Fundamentals of Speech Communication	3
Total Semester Credits		13
Program Total		60

The Associate of Science degree with Science Concentration prepares students to transfer into bachelor degree programs in science in a four-year college or university. This degree is the first step toward readiness to pursue high demand careers in STEM (Science, Technology, Engineering, and Mathematics).

The bachelor's degree in science prepares students for a variety of careers in industry, government, health care, and educational institutions. Some of the job opportunities open to graduates in science include:

- Ecologist
- Forensic analyst
- Market research analyst

- Population analyst
- Research scientist
- Environmental scientist
- Pre-med
- Pre-pharmacy
- Pre-dental

Science Concentration (M504) Associate of Science Degree in Arts and Sciences Transfer 410-462-7645

Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
CLT 100	Computer Literacy	2
CHE 101	General Chemistry I	4
MAT 128	Precalculus I	4
BIO 102	Principles of Biology	4
Total Semester Credits		15
2nd Semester		Credits
ENG 101	English Writing	3
MAT 129	Precalculus II	4
CHE 102	General Chemistry II	4
SP 101	Fundamentals of Speech Communication	3
HLF-Elective	Health and Life Fitness	1
Total Semester Credits		15
3rd Semester		Credits
CHE 213	Organic Chemistry I OR	4
BIO 202	Anatomy and Physiology I	
PSY 101	Introduction to Psychology	3
BIO 212	Microbiology OR	4
MAT 140	Calculus I	
PHY 101*	Physics I	4
Total Semester Credits		15
4th Semester		Credits
CHE 214	Organic Chemistry II OR	4
BIO 203	Anatomy and Physiology II	
SOC 101	Sociology	3
HLF-Elective	Health and Life Fitness	1
SCI -Elective	Any Science Course that wasn't previously taken	4
AH-Elective	General Education Requirement: Arts and Humanities	2
Total Semester Credits		15
Program Total		60

INSTRUCTIONAL PROGRAMS

BIOTECHNOLOGY PROGRAM

Life Sciences Institute at UM Biopark
School of Business, Science, Technology,
Engineering and Mathematics
Natural and Physical Science Department
410-637-3802 or 410-462-3805

BIOTECHNOLOGY DEGREE (M145)

Students develop science laboratory technical skills in preparation for employment under the supervision of professional scientists in a variety of laboratory settings. The program can also serve as the first two years of preparation for a four-year school with a major in physical or biological sciences.

The second year prepares students for employment in scientific labs including biological and chemical labs in biotech companies or universities. On the job experience is in-built in the program via internships. The Biotechnology Program includes a state-of-the-art technical research experience provided by local biotechnology companies and research facilities/ labs at local universities including University of Maryland, Baltimore (UMB), University of Maryland, Baltimore County (UMBC), Towson University and Johns Hopkins University.

Biotechnology (M145)

Associate of Applied Science Degree Program
Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
BTC 103	Special Topics in Biotechnology I	3
CHE 101	General Chemistry I	4
BIO 102	General Biology	4
MAT 128	Precalculus I: College Algebra	4
Total Semester Credits		16
2nd Semester		Credits
BTC 104	Special Topics in Biotechnology II	3
BTC 105	Techniques for Instrumentation for Biotechnology	4
CHE 102	General Chemistry II	4
ENG 101	English Writing	3
HLF-Elective	Health and Life Fitness	1
Total Semester Credits		15
3rd Semester		Credits
BIO 212	Microbiology	4
BTC-Elective	Biotechnology Elective	4
ENG 102	Introduction to the Term Paper and Research Methods	3
MAT 107	Modern Elementary Statistics	3
Total Semester Credits		14

4th Semester		Credits
BIO 207	Genetics	4
BIO 199	Individual Study in Biology	4
HLF-Elective	Health and Life Fitness	1
General Education Requirements:		
AH-Elective	General Education Requirement: Arts and Humanities	3
General Education Requirement: Social and Behavioral Sciences		
SBS-Elective	General Education Requirement: Social and Behavioral Sciences	3
Total Semester Credits		15
Program Total		60

*Biotechnology Electives:		Credits
**CHE 213	Organic Chemistry	4
PHY 101	Fundamentals of Physics I	4

****CHE 213 Students intending to transfer to the Medical and Research Technology program in Medical Technology or Biotechnology at University of Maryland at Baltimore need to select CHE 213 for their Biotechnology elective.**

BIOTECHNOLOGY LAB CERTIFICATE

Life Sciences Institute at UM Biopark
School of Business, Science, Technology,
Engineering and Mathematics
Natural and Physical Science Department
410-637-3803 or 410-637-3802

Biotechnology Lab Certificate Program (M405)
Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
LSS 101	Laboratory Communication Skills	3
LSS 102	Laboratory Math, Computer Skills and Informatics	3
LSS 103	Laboratory and Sterilization Management	3
BTC 103	Special Topics in Biotechnology I	4
BTC 105	Techniques and Instrumentation for Biotechnology	4
BIO 199	Individual Study in Biology	4
CLT 100	Computer Literacy/CLT Exam	0-2
Program Total		21-22

The Biotechnology Lab Certificate is a certificate option of the Biotechnology Program. This comprehensive program ensures theoretical and practical training in concepts and instrumentation relevant to Biotechnology. It is intended to prepare students for immediate employment in the Biotechnology field as laboratory technicians, laboratory assistants and other entry-level positions in academic or industrial research laboratories, and biopharmaceutical production facilities

***Note:** LSS 101, LSS 102, and LSS 103 are hybrid online classes. PRE 100 and Computer Literacy are offered online. BTC 103, BTC 105, and BIO 199 are transferrable to the Biotechnology Associate's Degree program.

INSTRUCTIONAL PROGRAMS

BUSINESS PROGRAMS

Liberty Campus

School of Business, Science, Technology,

Engineering and Mathematics

Business and Technology Department

Liberty 410-462-7605

- Accounting Certificate (M211)
- Accounting Degree (M001)
- Business Administration Transfer Degree (M004)
- Business Management (M013)
- Business Marketing (M055)
- Construction Supervision Degree (M400)
- Construction Supervision Certificate (M401)

ACCOUNTING DEGREE (M001)

Accounting is central to all businesses and organizations. Hence the need for accountants is always there in organizations whether it be a small retail store or a global conglomerate or a non-profit. The Accounting program at BCCC provides students with work ready, employable skills preparing them for future employment as Junior Auditors, Accounting Technicians, and/or Accounting Assistants. Many graduates transfer their credits to a four year university and/or take our courses towards qualifying academically for the Certified Public Accountant Exam. Prospective transfer students to four year universities should consult their preferred institutions as soon as possible concerning transferability of courses to that institution. Early and informed communication among the student, his/her BCCC Transfer Coordinator, his/her BCCC Advisor and the Advisor at the preferred four year institution will facilitate the transfer process more readily.

CPA EXAMINATION QUALIFICATION COURSES

This information is designed for students who already have attained a Bachelor's degree. BCCC offers courses in Accounting as well as in Business related areas that are required for CPA licensure by the Maryland State Board of Public Accountancy.

Candidates with Accounting Degrees from Other Countries

"The academic credentials of applicants who have earned degrees from foreign colleges or universities must be evaluated to determine whether the foreign educational preparation fulfills Maryland's education requirements. The foreign credential service organization must be a current member of National Association of Credential Evaluator Services (NACES). For a list of current NACES members please visit <http://www.naces.org/members.htm>. Applicants must request a course-by-course evaluation to be done for the purpose of taking the Uniform CPA exam in Maryland." Source: Maryland State Board of Public Accountancy

CPA EXAM REQUIREMENTS FOR THE STATE OF MARYLAND (EFFECTIVE OCTOBER 2011)

General Requirements:

An applicant must satisfactorily complete 120 undergraduate semester hours including attaining a baccalaureate or higher degree from an accredited institution of higher education as specified in the Maryland Public Accountancy Act.

Group I Accounting and Ethics Course Requirements:

An applicant must complete 27 credit hours in Accounting and three credit hours in Ethics. This is equivalent to nine Accounting courses at three credits per course and on three credit course in Ethics. The nine Accounting courses must be chosen from each of the four groups listed below:

- Financial Accounting (minimum of 3 courses required)
 - ACCT 221 Principles of Financial Accounting I
 - ACCT 222 Principles of Financial Accounting II
 - ACCT 230 Intermediate Accounting I
 - ACCT 231 Intermediate Accounting II
- Managerial Cost Accounting (minimum of 1 course required)
 - ACCT 235 Cost Accounting
- US Federal Income Tax (minimum of 1 course required)
 - ACCT 265 Income Tax Accounting
- Auditing (minimum of 1 course required)
 - ACCT 241 Auditing
- Ethics (minimum of 1 course required)
 - PHI 105 Introduction to Professional Ethics

Group 2: Business Related Education

In order to meet the requirements of business related courses, applicants must complete 21 credit hours in any of the following five out of nine areas:

- Statistics (minimum of 1 course if you select this group as one of the five required groups)
 - MAT 107 Modern Elementary Statistics
- Corporate or Business Finance
 - BCCC does not offer a course that is in this group
- Management (minimum of 1 course if you selected this group as one of the five required groups)
 - MGMT 102 Principles of Supervision
 - MGMT 170 Small Business Management
 - MGMT 219 Human Resource Management
 - MGMT 222 Principles of Management
 - MGMT 229 Principles of Leadership
- US Business Law (Minimum of 1 course if you select this group as one of the five required groups)
 - BUAD 207 Business Law I
- Marketing (minimum of 1 course if you select this group as one of the five required groups)
 - MKTG 223 Marketing
- Economics (minimum of 1 course if you select this group as one of the five required groups)
 - SP 101 Fundamentals of Speech Communication
- Quantitative Methods
 - BCCC does not offer a course that is in this group

INSTRUCTIONAL PROGRAMS

H. IT Information Systems

- BCAP 136 Database Management Systems
- CISS 109 Principles of Computer Information Systems

**NOTE: Check with the Accounting Program Coordinator for an updated status on the above two courses as well as other courses offered by BCCC that may fall in this category.*

In addition, no certificate or degree will be awarded for completion of these courses and we strongly recommend that you also visit the website of the Maryland State Board of Public Accountancy at <http://www.dlrr.state.md.us/license/CPA>.

The Accounting degree program is accredited by the Association of Collegiate Business Schools and Programs (ACBSP).

Accounting

Associate of Applied Science Degree Program Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
ACCT 221	Principles of Financial Accounting	3
BUAD 100	Introduction to Business	3
ENG 101	English Writing	3
ECO 201	The American Economy I: Macroeconomic Theory	3
MAT 107	Modern Elementary Statistics	3
	OR	
MAT 125	Finite Mathematics	
Total Semester Credits		16
2nd Semester		Credits
ACCT 222	Principles of Managerial Accounting	3
BUAD 112	Computers for Business Management	3
MGMT 180	Personal Financial Management	3
AH-Elective	General Education Requirement: Arts and Humanities	3
SP 101	Fundamentals of Speech Communication	3
Total Semester Credits		15
3rd Semester		Credits
ACCT 230	Intermediate Accounting I	3
ACCT 235	Cost Accounting	3
ECO 202	The American Economy II: Macroeconomic Theory	3
HLF-Elective	Health and Life Fitness	1
BPS-Elective	Biological and Physical Sciences	3
Total Semester Credits		14
4th Semester		Credits
ACCT 231	Intermediate Accounting II	3
ACCT 261	Accounting Applications on the Microcomputer III	3
ACCT 265	Income Tax Accounting	3
ACCT 241	Auditing Concepts	3
	OR	
COP 200	Cooperative Education	
BUAD 207	Business Law I	3
Total Semester Credits		15
Program Total		60

*ECO 201 will fulfill the Social and Behavioral Science General Education Requirement

ACCOUNTING CERTIFICATE (M211)

The Accounting Certificate is designed for people seeking entry-level employment in bookkeeping or accounting who choose not to pursue an associate degree or have previously earned that or another degree.

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

Courses		Credits
PRE 100	Preparation for Academic Achievement	1
ACCT 221	Principles of Financial Accounting I	3
ACCT 222	Principles of Managerial Accounting	3
ACCT 230	Intermediate Accounting I	3
Elective	BUAD 112, CLT 100, CLT Exam	0-3
ACCT 231	Intermediate Accounting II	3
ACCT 235	Cost Accounting	3
ACCT 241	Auditing Concepts	3
ACCT 261	Accounting Applications on the Microcomputer III	
BCAP 126	Comprehensive Spreadsheets	3
ACCT 265	Income Tax Accounting	3
COP 200	Cooperative Education	3
Certificate Total		19-22

**NOTE: All students that are enrolled in this certificate program must meet the College's computer literacy requirement as a condition for graduation. This requirement can be met in one of three ways as noted below: (1) Pass BUAD 112 with a minimum grade of C or higher. This option is highly recommended due to its Excel component, and status as a program requirement for the Accounting AAS degree, or (2) Pass CLT 100 with a grade of C or higher, or (3) Pass BCCC's computer literacy test with a grade of 70% or higher.*

Note 2: Students may select either ACCT 261 or BCAP 126 as one of their electives; they cannot take both.

BUSINESS ADMINISTRATION TRANSFER DEGREE (M004)

BCCC's program is designed for students who plan to transfer to an upper-level institution to obtain a Bachelor's degree in Business Administration. Students are urged to communicate with both their BCCC advisers and the upper-level schools of their choice to determine early and accurately the transfer school's expectations and requirements. The BCCC Business Administration graduate will be fully prepared to pursue such four-year programs as accounting, advertising, banking and finance, economics, human resources management, marketing, management, and real estate.

The Business Administration Transfer Program is accredited by the Association of Collegiate Business Schools and Programs (ACBSP).

Business Administration Transfer Associate of Science Degree Program Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

INSTRUCTIONAL PROGRAMS

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
BUAD 100	Introduction to Business	3
BUAD 112	Computers for Business Management	3
ENG 101	English Writing	3
MAT 128	Pre-Calculus I: College Algebra	4
SP 101	Fundamentals of Speech Communication	3
Total Semester Credits		17
2nd Semester		Credits
ECO 201	The American Economy I: Macroeconomic Theory	3
SBS-Elective	General Education Requirements: Social and Behavioral Sciences	3
BPS-Elective	Biological and Physical Sciences with lab	4
AH-Elective	General Education Requirements: Arts and Humanities	3
HLF-Elective	Health and Life Fitness Elective	1
Total Semester Credits		14
3rd Semester		Credits
ACCT 221	Principles of Financial Accounting	3
ECO 202	The American Economy II: Microeconomic Theory	3
MGMT 222	Principles of Business Management	3
MKTG 223	Marketing	3
SBS-Elective	General Education Requirements: Social and Behavioral Sciences	3
Total Semester Credits		15
4th Semester		Credits
ACCT 222	Principles of Managerial Accounting	3
BUAD 207	Business Law I	3
HLF-Elective	Health and Life Fitness Elective	1
Business Elective	Business Elective: Any ACCT, BUAD, MGMT or MKTG 3-credit course	3
PHY SCI Elective	General Education Requirements: Physical Sciences	4
Total Semester Credits		14
Program Total		60

BUSINESS MANAGEMENT (M013) BUSINESS DEGREE

Business Management is structured as a career program. It assists BCCC students in developing the knowledge, skills, and attitudes necessary for entry-level management trainee positions in business, industry, government, and service fields. Entrepreneurship is also a career option for graduates of this discipline. Team development and performance, worker empowerment, and customer satisfaction through continuous improvement are topics covered in all management courses.

Some specialized courses in the Management Concentration may not transfer to some four-year colleges. Students who are interested in transferring to a four-year college or university should take the Business Administration Transfer Program. This concentration is designed for persons who are first-time managers or for persons seeking entry-level management trainee positions.

The Business Management Degree Concentration is accredited by the Association of Collegiate Business Schools and Programs (ACBSP).

Business Management Associate of Applied Science Degree in Business Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
BUAD 100	Introduction to Business	3
BUAD 112	Computers for Business Management	3
ENG 101	English Writing	3
HLF	Health and Life Fitness	2
SP 101	Fundamentals of Speech Communication	3
Total Semester Credits		15
2nd Semester		Credits
MGMT 102	Principles of Supervision	3
MGMT 170	Small Business Management	3
MAT 107	Modern Elementary Statistics	3
SBS-Elective	General Education Requirements: Social and Behavioral Sciences	3
AH-Elective	General Education Requirements: Arts and Humanities	3
Total Semester Credits		15
3rd Semester		Credits
ACCT 221	Principles of Financial Accounting	3
BUAD 207	Business Law I	3
MGMT 222	Principles of Management	3
MKTG 223	Marketing	3
BPS-Elective	General Education Requirements: Biological and Physical Sciences	3
Total Semester Credits		15
4th Semester		Credits
ACCT 222	Principles of Managerial Accounting	3
ECO 201	The American Economy I: Macroeconomic Theory	3
MGMT 180	Personal Financial Management	3
MGMT 219	Human Resource Management	3
MGMT 229	Principles of Leadership	3
Total Semester Credits		15
Program Total		60

BUSINESS MARKETING (M055) BUSINESS DEGREE

Business Marketing is structured as a career program. It assists BCCC students in developing the knowledge, skills, and attitudes necessary for entry-level marketing trainee positions in business, industry, government, and service fields. Entrepreneurship is also a career option for graduates of this discipline. Team development and performance, worker empowerment, and customer satisfaction through continuous improvement are topics covered in all management/marketing courses.

Some specialized courses in the Marketing Concentration may not transfer to some four-year colleges. Students who are interested in transferring to a four-year college or university should take the Business Administration Transfer Program. This program is designed for persons who are seeking entry level

INSTRUCTIONAL PROGRAMS

marketing trainee positions. The Business Marketing Degree Concentration is accredited by the Association of Collegiate Business Schools and Programs (ACBSP).

Business Marketing

Associate of Applied Science Degree in Business Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
BUAD 100	Introduction to Business	3
BUAD 112	Computers for Business Management	3
ENG 101	English Writing	3
HLF-Elective	Health and Life Fitness Elective	2
SP 101	Fundamentals of Speech Communication	3
Total Semester Credits		15
2nd Semester		Credits
MGMT 102	Principles of Supervision	3
MGMT 170	Small Business Management	3
MAT 107	Modern Elementary Statistics	3
SBS-Elective	General Education Requirements: Social and Behavioral Sciences	3
AH-Elective	General Education Requirements: Arts and Humanities	3
Total Semester Credits		15
3rd Semester		Credits
ACCT 221	Principles of Financial Accounting	1
BUAD 207	Business Law I	3
MGMT 222	Principles of Management	3
MKTG 223	Marketing	3
BPS-Elective	General Education Requirements: Biological and Physical Sciences	3
Total Semester Credits		15
4th Semester		Credits
ACCT 222	Principles of Managerial Accounting	3
ECO 201	The American Economy I: Macroeconomic Theory	3
MKTG 210	Retailing	3
MKTG 211	Advertising	3
MKTG 212	Principles of Selling	3
Total Semester Credits		15
Program Total		60

CONSTRUCTION SUPERVISION PROGRAM

Liberty Campus

School of Business, Science, Technology, Engineering and Mathematics

Business and Technology Department

410-462-7605

- Construction Supervision Degree (M400)
- Construction Supervision Certificate (M401)

Construction supervision provides the critical link between project management and skilled workers who perform building tasks. The Construction Supervision program prepares students to step into the position of assistant project manager, supervisor or independent

business owner. The program provides experience and instruction in safety (OSHA regulations), blueprint reading, construction methods, estimating, scheduling, operational procedures, effective communication, procurement, and fiscal and business management. Graduates are prepared to work as supervisors on both residential and commercial projects.

CONSTRUCTION SUPERVISION DEGREE (M400)

The program is designed to educate students with no prior knowledge of the construction trades and to enhance the understanding of experienced tradespeople.

Construction Supervision

Associate of Applied Science Degree Program

Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
CON 101	Introduction to Construction	3
CON 104	Construction Methods and Materials	3
CON 107	Blueprint Reading	3
ENG 101	English Writing	3
Total Semester Credits		13
2nd Semester		Credits
CON 111	Occupational Safety and Loss Prevention	3
ECO 201	The American Economy I: Macroeconomic Theory	3
ENG 102	Introduction to Term Paper and Research Methods	3
MAT 128	Precalculus I: College Algebra	4
SBS-Elective	General Education Requirements: Social and Behavioral Sciences	3
Total Semester Credits		16
Summer		Credits
HLF-Elective	Health and Life Fitness Course	2
Total Semester Credits		2
3rd Semester		Credits
ACCT 221	Principles of Financial Accounting	3
CON 210	Construction Estimating	3
CADD 101	Introduction to CADD	3
MGMT 102	Principles of Supervision	3
Total Semester Credits		12
4th Semester		Credits
CON 222	Scheduling, Planning and Cost Control	3
CON 224	Construction Contracts and Documents	3
CON 250	Construction Internship	3
CON 215	Computer Applications in Construction	1
BPS-Elective	General Education Requirement: Biological and Physical Sciences Course with Lab	4
SP 101	Fundamentals of Speech Communications	3
Total Semester Credits		17
Program Total		60

INSTRUCTIONAL PROGRAMS

CONSTRUCTION SUPERVISION CERTIFICATE (M401)

The certificate is oriented towards workers who wish to sharpen their existing skills or move up to supervisor, or the small business owner who wishes to brush up in a specific area.

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
ENG 101	English Writing	3
CON 101	Introduction to Construction	3
CON 104	Construction Methods and Materials	3
CON 107	Blueprint Reading	3
MAT 128	Precalculus I: College Algebra	4
Total Semester Credits		17
Summer		Credits
CADD 101	Introduction to CADD	3
CON 210	Construction Estimating	3
Total Semester Credits		6
2nd Semester		Credits
CON 222	Scheduling, Planning, and Cost Control	3
CON 224	Construction Contracts and Documents	3
CON 215	Computer Application in Construction	1
Total Semester Credits		7
Program Total		30

COMPUTER AND INFORMATION TECHNOLOGY PROGRAMS

410-462-7605

Computer-Aided Drafting and Design (CADD)

- CADD Degree (M180)

Computer Information Systems

- Computer Information Systems Degree (M021)
- IT Basic Skills Certificate (M709)

COMPUTER-AIDED DRAFTING AND DESIGN (CADD)

Liberty Campus

School of Business, Science, Technology,

Engineering and Mathematics

Business and Technology Department

410-462-7605

CADD DEGREE (M180)

Over the last few decades, the drafting, design, and manufacturing industries have become heavily computerized. The Computer-Aided Drafting and Design (CADD) programs offered by BCCC are structured to prepare a segment of the workforce to compete for jobs in these industries. Large and stable CADD-related job markets exist both nationwide and in the Baltimore/Washington region. The CADD associate degree, CADD certificates, and/or CADD experiences are increasingly important parts of the required qualifications for many job titles: engineers (all branches), designers, drafters, manufacturers,

assemblers and fabricators, graphics designers and artists, interior designers, technical illustrators, ship-builders, map-makers, animators, CADD system managers, CADD programmers, and others.

The CADD AAS degree program offers a balanced course of study in drafting and design with the aid of state-of-the-art software, computers, and input/output devices. Students are prepared to qualify for jobs where CADD associates work as the important CADD link in the modern design process with engineers and architects on one hand and detail drafters and manufacturers on the other hand. Emphasis is on engineering drawing, architectural drawing, engineering design, and realistic 3D modeling.

Computer Aided Drafting and Design Associate of Applied Science Degree Program Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
CADD 101	Introduction to CADD	3
CADD 111	CADD Applications	3
SP 101	Fundamentals of Speech Communication	3
SBS-Elective	General Education Requirements: Social and Behavioral Sciences	3
Total Semester Credits		13
2nd Semester		Credits
CADD 105	Intermediate CADD	3
CADD 112	CADD Architectural Applications I	3
CADD 140	CADD 3D Modeling	3
ENG 101	English Writing	3
BPS-Elective	General Education Requirements: Biological and Physical Sciences with lab	4
Total Semester Credits		16
3rd Semester		Credits
MAT 128	Precalculus I: College Algebra	4
CADD 151	Technical Graphics	3
CADD 200	Geographic Information Systems Applications	3
CADD 205	CADD Engineering Drawing I	3
SBS-Elective	General Education Requirements: Social and Behavioral Sciences	3
Total Semester Credits		16
4th Semester		Credits
CADD 206	CADD Engineering Drawing II	3
CADD 208	CADD Mechanical Applications	3
CADD 211	CADD Civil Applications	3
CADD 222	CADD Architectural Applications II	3
COP 100	Cooperative Education	1
HLF-Elective	Health and Life Fitness	2
Total Semester Credits		15
Program Total		60

INSTRUCTIONAL PROGRAMS

COMPUTER INFORMATION SYSTEMS

Liberty Campus

School of Business, Science, Technology,
Engineering and Mathematics

Business and Technology Department
410-462-7605

- Computer Information Systems Degree (M021)
- IT Basic Skills Certificate (M709)

COMPUTER INFORMATION SYSTEMS DEGREE (M021)

The Computer Information Systems Degree Program at BCCC emphasizes business computer program design and development. Practical experience is gained in networking, databases, and programming applications utilizing various system environments such as UNIX, Microsoft Windows, and other state-of-the-art multi-user/ microcomputer-based operating systems. CIS-approved electives offer students the flexibility to acquire additional training within an area of personal interest. Many of the program's graduates pursue advanced studies at four-year colleges and universities while others move directly into employment with banks, financial companies, government, and other businesses.

The Computer Information Systems Program is accredited by the Association of Collegiate Business Schools and Programs (ACBSP).

Certificates are also available in Computer Information Systems, Database Systems Administration, Network Specialist, and UNIX Systems Administration. A UNIX Systems Administration track can be pursued under the Computer Information Systems Certificate.

Computer Information Systems Associate of Applied Science Degree Program Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
BCAP 104	Introduction to Operating Systems: DOS/Windows	3
CISS 105	Introduction to UNIX: The Operating System	3
CISS 109	Principles of Computer Information Systems	3
CISS 116	Structured Design	3
ENG 101	English Writing	3
Total Semester Credits		16
2nd Semester		Credits
BCAP 136	Database Management Systems	3
CISS 118	Programming with VISUAL BASIC	3
MAT 125	Finite Mathematics	3
SP 101	Fundamentals of Speech Communication	3
HLF-Elective	Health and Life Fitness	2
Total Semester Credits		14
3rd Semester		Credits
CISS 201	Systems Analysis and Design	3
CISS 228	Object Oriented Programming for	3

	Business Applications in C ++	
BCAP 126	Comprehensive Spreadsheet	3
GEN. ED.	General Education Requirements:	3
Elective	Choose any General Education course	
CISS-Elective	CIS-Approved Elective	3
Total Semester Credits		15

4th Semester		Credits
ECO 201	The American Economy I: Macroeconomic Theory	3
MAT 107	Modern Elementary Statistics	3
ACCT 221	Principles of Financial Accounting	3
BPS-Elective	General Education Requirement: Biological or Physical Science	3
CISS	CISS-Approved Elective*	3
Total Semester Credits		15
Program Total		60

*CIS-Approved Electives		Credits
BCWB 252	Introduction to JavaScript	3
BCWB 265	Website Design and Development for E-Commerce	3
BCAP 270	Introduction to Help Desk Support	3
CSC 108	Programming in C	3
CISS 119	Advanced Visual Basic Programming	3
CISS 231	JAVA Programming for Business Applications	3
ITDB 241	Database Programming	3
ITDB 246	Oracle Database Administration	3
ITDB 247	Oracle Database Developer and Programming	3
ITSA 125	Security Fundamentals, Principles and Ethics	3
ITSA 233	Ethical Hacking	2
ITSA 242	Computer Forensics and Investigation	3
ITNT 235	Networking with TCP/IP	3
ITSA 245	Cyber Security Implementation	3
ITSA 255	Information Systems Security	3
TEL 100	Introduction to Business Telecommunications	3
TEL 140	PC Local Area Networks	3

INFORMATION TECHNOLOGY BASIC SKILLS CERTIFICATE (M709)

IT Basic Skills trains graduates to answer questions or resolve computer problems for clients in person, via telephone or electronically. The graduate will provide assistance concerning the use of computer hardware and software, including printing, installation, word processing, electronic mail, and operating systems.

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the**

Semester		Credits
PRE 100	Preparation for Academic Achievement	1
ENG 101	English Writing	3
BCAP 104	Introduction to Operating Systems: DOS and Windows	3
CISS 109	Principles of Computer Information Systems	3
BCAP 270	Introduction to Help Desk	3
COP 200	Cooperative Education	3
Total Semester Credits		16
Program Total		16

INSTRUCTIONAL PROGRAMS

CYBER SECURITY AND ASSURANCE PROGRAM

Liberty Campus

Life Sciences Building, Room 344

410-462-8542

- Cyber Security and Assurance Degree (M714)
- Cyber Security and Assurance Certificate (M710)

CYBER SECURITY AND ASSURANCE DEGREE (M714)

The new degree program in Cyber Security and Assurance at BCCC emphasizes on the need to build a wall between our information and those that want to exploit it. The recurring events such as virus and worm attacks and the success of criminal attackers illustrate the weaknesses in current information technologies and the need to heighten security of these systems. Students will gain practical experience in understanding the threats and dangers, security assessments and analysis to a wide range of different businesses, and the steps that need to be taken to mitigate these vulnerabilities by using state-of-the-art technology. The program prepares students for vendor-specific or commercially available security certification.

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
ITSA 125	Security Fundamentals	3
CISS 109	Principles of Computer Information Systems	3
BCAP 104	Introduction to Operating Systems: DOS and Windows	3
CISS 105	Introduction to UNIX: The Operating System	3
ENG 101	English Writing	3
Total Semester Credits		16
2nd Semester		Credits
SP 101	Fundamentals of Speech Communication	3
ECO 201	The American Economy I: Macroeconomic Theory	3
ITNT 235	Networking with TCP/IP	3
CRJ 101	Introduction to Criminal Justice	3
ITSA 255	Info Systems Security	3
Total Semester Credits		15
3rd Semester		Credits
ITSA233	Ethical Hacking	3
ITSA 245	Cyber Security Implementation	3
CISS 201	System Analysis and Design	3
MAT 107	Modern Elementary Statistics	3
HLF-Elective	Health and Life Fitness	2
Total Semester Credits		14
4th Semester		Credits
ITSA 242	Computers Forensic and Investigation	3
ITSA 270	Business Continuity and Disaster Recovery	3
MAT-Elective	Mathematics	3
BPS-Elective	Biological and Physical Sciences	3
CIS	Approved Elective	3
Total Semester Credits		15
Program Total		60

CYBER SECURITY AND ASSURANCE CERTIFICATE (M710)

The Cyber Security and Assurance Program provides

students with practical experience in understanding the threats and dangers, security assessments and analysis to a wide range of different businesses, and the steps that need to be taken to mitigate these vulnerabilities by using state-of-the-art technology. The program prepares students for vendor-specific or commercially available security certification. The program also emphasizes the need to build a wall between our information and those that want to exploit it. The recurring events such as virus and worm attacks and the success of criminal attackers illustrate the weaknesses in current information technologies and the need to heightened security of these systems.

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
TEL 100	Introduction to Business Telecommunications	3
ITSA 255	Information System Security	3
ITSA 233	Ethical Hacking	3
ITSA 242	Computers Forensic and Investigation	3
Total Semester Credits		13
2nd Semester		Credits
CISS 201	Systems Analysis and Design	3
ITNT 235	Networking with TCP/IP	3
ITSA 245	Cyber Security Implementation	3
ITSA 270	Business Continuity and Disaster Recovery	3
Total Semester Credits		12
Summer Semester		Credits
CIS-Electives	CIS Approved Electives	3-4
ITSA 125	Security Fundamentals, Principles and Ethics	3
CISS 109	Principles of Computer Information Systems	3
Total Semester Credits		9-10
Program Total		34-35
*CIS-Approved Electives Credits		Credits
BCWB 252	Introduction to JavaScript	3
BCWB 265	Website Design and Development for E-Commerce	3
BCAP 270	Introduction to Help Desk Support	3
CSC 108	Programming in C	3
CISS 119	Advanced Visual Basic Programming	3
CISS 231	JAVA Programming for Business Applications	3
ITDB 241	Database Programming	3
ITDB 246	Oracle Database Administration	3
ITDB 247	Oracle Database Developer and Programming	3
ITSA 125	Security Fundamentals, Principles and Ethics	3
ITSA 233	Ethical Hacking	2
ITSA 242	Computer Forensics and Investigation	3
ITNT 235	Networking with TCP/IP	3
ITSA 245	Cyber Security Implementation	3
ITSA 255	Information Systems Security	3
TEL 100	Introduction to Business Telecommunications	3
TEL 140	PC Local Area Networks	3

* Cyber Security and Assurance students may have summer internship opportunities at industries or Morgan State University School of Engineering.

** Depending on a student's BCCC college Math placement scores (through the Accuplacer Test) and the Cyber Security and Assurance Coordinator's evaluation of the student's Math placement scores, a Cyber Security student has to place into a higher level Math course such as MAT 107.

DENTAL HYGIENE PROGRAM

Liberty Campus

School of Nursing and Health Professions

Department

410-462-7713

DENTAL HYGIENE DEGREE (M070)

BCCC's two-year Associate degree program in Dental Hygiene prepares students to work as dental hygienists in private dental offices, hospital clinics, military installations, public schools, industrial clinics, dental auxiliary schools, and public health facilities.

Dental Hygienists educate patients about the importance of proper dental care and the maintenance of good oral health. Working under the general supervision of a licensed dentist, hygienists remove stains and deposits from teeth, take x-rays, apply preventive agents to teeth, provide patient education, and prepare tests for interpretation and evaluation by the dentist.

In the final semester of didactic and clinical experience, students become eligible for the National Board Examination and the Commission on Dental Competency Assessment, which are required for licensure. By law the State Board of Dental Examiners may deny licensure for a variety of reasons. These include conviction of a felony or a crime involving moral turpitude if the nature of the offense bears directly on the fitness of the person to practice Dental Hygiene. The BCCC Program is accredited by the Commission on Dental Accreditation of the American Dental Association and is designated a Statewide program by the Maryland Higher Education Commission.

Interested applicants must hold a high school diploma or its equivalent and have completed high school biology, chemistry, algebra, and a second math with a grade of "C" or higher; BCCC equivalents of high school biology, chemistry, algebra and a second math can also be used to satisfy this requirement. Please see the admission requirements below and visit the Dental Hygiene webpage at www.bccc.edu.

Students must maintain a minimum cumulative GPA of 2.5 to be considered for admission. Students must take the College ACCUPLACER test. Enrollment is limited by the number of laboratory stations and clinical units, and admission is highly competitive.

Prospective students should contact the Office of Admissions, Recruitment and Orientation for detailed information on the special academic, medical, background check, and insurance requirements for admission to and continued enrollment in this program.

Due to computerization of the dental clinic, all students should complete the College required computer literacy test or course before entering the program.

DENTAL HYGIENE SELECTIVE ADMISSION CRITERIA AND PROCESS

(Effective with the Fall 2017 entering class)

Listed below are the requirements that must be completed by all students seeking admission in the Associate of Applied Science Dental Hygiene Program.

- Completed BCCC College Application must be submitted prior to applying to the program. Prerequisites for admission into the Dental Hygiene Program include: The following to be completed prior to the Spring Semester for Fall Pre-Clinical admission.

1. All developmental coursework (math, reading and writing sequence) with a grade of "C" or better.
2. Completion of PRE 100, ENG 101, BIO 107, BIO 212, and CHE 105.
3. Overall G.P.A. of 2.5 or greater on a 4.0 scale (Applications will not be ranked if G.P.A is lower than 2.5).
4. A grade of "C" or better must be achieved in all science courses. Science courses must be completed within five (5) years of admission to the Dental Hygiene Program.
5. Mandatory Dental Hygiene Information Session Attendance (must be present for mandatory video).
6. All applicants must take the current Test of Essential Academic Skills (TEAS) (2 attempt limit). Test scores must not be older than one year.
7. All applicants must pass the Biology 101 Placement Exam.
8. All applicants must meet the college's computer literacy requirement.
9. All applicants must sign and date the Dental Hygiene Essential Standards.

BCCC College Application Application will be available on the Dental Hygiene webpage no later than last Friday in October.

RANKING SYSTEM FOR ADMISSION TO DENTAL HYGIENE PROGRAM

(Based on possible maximum score of 74 points.)

Ranking for entrance into the Fall Dental Hygiene class will be completed following mid semester of the preceding Spring session. Points will be allocated based on the following criteria:

1. Science G.P.A.: (Minimum grade of "C" required in each course)

3.8 – 4.00	37 points
3.6 – 3.79	33 points
3.4 – 3.59	29 points
3.2 – 3.39	25 points
3.0 – 3.19	21 points
2.8 – 2.99	17 points
2.6 – 2.79	13 points
2.5 – 2.59	9 points

2. Cumulative G.P.A.:

3.8 – 4.00	18 points
3.6 – 3.79	16 points
3.4 – 3.59	14 points
3.2 – 3.39	12 points

INSTRUCTIONAL PROGRAMS

3.0 – 3.19	10 points
2.8 – 2.99	8 points
2.6 – 2.79	6 points
2.5 – 2.59	4 points

3. Test of Essential Academic Skills (TEAS)

Exemplary	4 points
Advance	3 points
Proficient	2 points
Basic	1 points
Developmental	0 points

4. Completed Courses:

3 points will be deducted for each of the following courses not completed prior to admission.

3 point will be added for each of the following courses completed prior to admission.

- DNT 200 Nutrition for Health Sciences
- PSY 101 Introduction to Psychology
- MAT 107 Modern Elementary Statistics
- SOC 101 Introduction to Sociology
- SP 101 Fundamentals of Speech Communications

5. Ranked Application from Previous Year: 10 points

*All courses in the program sequence must be completed at a grade of C or higher. D and/or F grades are not accepted.

** BCCC reserves the right to modify the above regulations/ requirements and point designations at anytime in the student's enrollment. The outlined point system should not be deemed an irrevocable contract between Pre-Dental Hygiene Students and Baltimore City Community College.

BCCC DENTAL HYGIENE APPLICANTS

- Applicants not admitted to the program who wish to be considered the following year must re-apply.
- Applications will be ranked according to the procedures above to determine their total points.
- Students with the highest total points will be accepted for the 20 seats in ranked order. In case of applicants with the same number of total points, the applicant who has submitted her/his application first will get the first consideration.
- Applications with requirements completed by the Fall deadline will be ranked first. Other applications may be considered for admissions if requirements will be completed by Spring (based on seat availability).

NOTE: To be considered, application must be received by the deadline date and time.

Notification letters will be mailed in early May.

Applicants will have 5 days to formally declare their acceptance to the program, no exceptions. If you do not meet the minimum requirements, were not accepted or you declined your admission, you must submit a new application if you wish to be considered for the next year. You must also attend another Mandatory Dental Hygiene Program Information Session.

Dental Hygiene

Associate of Applied Science Degree Program Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and**

certificate seeking students are required to complete the PRE 100 course within the first six credits.

Prerequisites		Credits
PRE 100	Preparation for Academic Achievement	1
	Biology Placement Exam (Test out of BIO 101)	0
BIO 107	Anatomy and Physiology	4
BIO 212	Microbiology	4
CHE 105	Introduction to Biochemistry	2
ENG 101	English Writing	3
Total Semester Credits		14

Complete Application to Dental Hygiene Program – see the “Dental Hygiene Program Selective Admission Criteria and Process” @ <http://www.bccc.edu/Page/1853>

1st Semester		Credits
DNT 200	Nutrition for Health Science	3
DH 142	Histology and Embryology	2
DH 143	Fundamentals of General Pathology	1
DH 150	Pre-Clinical Dental Hygiene	4
DS 100	Oral Anatomy	3
PSY 101	Introduction to Psychology	3
Total Semester Credits		16

2nd Semester		Credits
DH 136	Periodontics	2
DH 151	Clinical Dental Hygiene I	3
DS 110	Oral Radiology	3
MAT 107	Modern Elementary Statistics	3
Total Semester Credits		11

Summer Semester		Credits
DH 220	Concepts of Advanced Dental Hygiene Practice	2

3rd Semester		Credits
DH 130	Dental Materials	3
DH 230	Oral Pathology	3
DH 231	Pharmacology	2
DH 242	Dental Public Health	3
DH 250	Clinical Dental Hygiene II	4
Total Semester Credits		15

4th Semester		Credits
DH 237	Ethics and Jurisprudence 1	
DH 251	Clinical Dental Hygiene III	5
SOC 101	Introduction to Sociology	3
SP 101	Fundamentals of Speech Communication	3
Total Semester Credits		12
Program Total: 56+14 Prerequisites		70

*All courses in the program sequence must be completed at a grade of C or higher. D and/or F grades are not accepted.

** BCCC reserves the right to modify the above regulations/ requirements and point designations at anytime in the student's enrollment. The outlined point system should not be deemed an irrevocable contract between Pre-Dental Hygiene Students and Baltimore City Community College.

NOTE: In addition to the above requirements:

- CLT or computer literacy equivalent must be completed by all students prior to acceptance into the Dental Hygiene Program

It is strongly recommended that students complete all non-DH/DS courses prior to acceptance into the Dental Hygiene Program even if they meet the ACT or SAT required scores.

INSTRUCTIONAL PROGRAMS

EARLY CHILDHOOD EDUCATION PROGRAMS

Liberty Campus

School of Arts and Social Sciences

Education, Social and Behavioral Sciences

Department

410-462-7665

- Early Childhood Education Degree (M051)
- Early Childhood Education Certificate (M251)
- Maryland State Child Day Care Training Certification (M253)

EARLY CHILDHOOD EDUCATION DEGREE (M051)

Graduates of BCCC's Early Childhood Education Program are fully qualified for certification as directors, or senior staff members of child-care programs. They may also work as paraprofessionals in public schools, in hospital child-life programs, and as teachers or assistant teachers in several federal programs.

Students are able to expand their job opportunities by earning a certificate in Special Education Assistant, in addition to the Associate's degree in Early Childhood Education.

The course of study includes: theories of child development and programming for children, theoretical coursework, supervised field placement, and observation. Students are encouraged to develop their skills and techniques, for working with small groups of children in activities such as music, art, storytelling, science, and mathematics. Students learn to create and plan instruction based on individual and group needs, and have the opportunity to work with different staff members and groups.

NOTE: ECE students who have taken ECE 112 (Child Growth and Development) and ECE 113 (Activities and Materials) are exempt from ECE 100 (Introduction to Child Development) only; they are required to enroll in ECE 101. The prerequisites for ECE 101 is English 101.

Early Childhood Education

Associate of Applied Science Degree Program Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
BUAD 112	Computers for Business Management	3
ECE 111	Principles and Practices in ECE	3
ENG 101	English Writing	3
HLF-Elective	Health and Life Fitness	2
PSY 101	Introductory Psychology	3
Total Semester Credits		15
2nd Semester		Credits
ECE 112	Child Growth and Development	3
ECE 113	Programs and Activities	3
MAT 107	Modern Elementary Stats	3

	OR	
MAT 125	Finite Math	
SP 101	Fundamentals of Speech Communication	3
BPS-Elective	General Education Requirement: Biological and Physical Sciences	3
Total Semester Credits		15
3rd Semester		Credits
ECE 114	Caring for Infants and Toddlers	3
	OR	
ECE 119	School-Age Daycare	
EDU 215	Developmental Processes and the Acquisition of Reading Competency	3
ECE 117	Guiding Behavior of Young Children	3
SED 220	Special Education: An Overview	3
ECE 211	Nutrition, Health and Safety for Young Children	3
Total Semester Credits		15
4th Semester		Credits
PSY 201	Educational Psychology	3
IEI-Elective	Interdisciplinary and Emerging Issues	3
AH-Elective	General Education Requirements: Arts and Humanities	3
ECE 217	Planning & Administering Programs for Children	3
ECE 222	ECE Capstone Filed Experience	3
Total Semester Credits		15
Program Total		60

EARLY CHILDHOOD EDUCATION CERTIFICATE (M251)

This interdisciplinary certificate is designed to prepare students to administer programs for children in day care; work in government service; and work in housing, recreational, health, and social service agencies, where a basic understanding of the nature of children is combined with human services skills.

Graduates are fully qualified to manage programs based on a foundation of theory and practical application. The course of study provides training opportunities for those with an associate's or bachelor's degree, who seek additional credits for upgrading their employment.

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
AHS 100	Introduction to Human Services	4
AHS 101	Clinical/Fieldwork I: Human Services Individual Counseling	4
AHS 102	Clinical/Fieldwork II: Human Services Group Counseling	5
AHS 103	Group Dynamics: Small Group Analysis	3
ECE 100	Introduction to Child Development	
	OR	
ECE 112	Maryland State Child Day Care Training Certification: Child Growth and Development, Part I	3
ECE 113	Maryland State Child Day Care Training Certification: Programs and Activities, Part II	3-4
ECE 217	Planning and Administering Programs for Children	3
ECE-Elective	Early Childhood/Special Education Electives: Select 2 courses*	6-8
Program Total		32-35

INSTRUCTIONAL PROGRAMS

*Early Childhood Education Electives Credits

ECE 102	Observing and Recording Children's Behavior	3
ECE 109	An Introduction to School-Age Group Day Care	4
ECE 110	Guiding the At-Risk Child	3
ECE 114	Caring for Infants and Toddlers	3
ECE 201	Nutrition, Health, and Safety for Children	2
ECE 203	Parent, Child, School, and Community Relationships	3
SED 220	Special Education: An Overview	3
SED 223	Caring for Infants and Toddlers with Disabilities	3

MARYLAND STATE CHILD DAY CARE CERTIFICATION (M253)

This two-course certification is NOT a college degree or certificate program. These two courses meet the requirements for the 90 clock-hours required for Maryland State Child Care Certification (minimum grades of "C" are required):

Course	Credits	
ECE 112	Maryland State Child Day Care Training Certification: Child Growth and Development, Part I	3
ECE 113	Maryland State Child Day Care Training Certification: Programs and Activities, Part II	3

ELECTRICAL ENGINEERING PROGRAM

Liberty Campus

School of Business, Science, Technology, Engineering and Mathematics
Mathematics and Engineering Department
410-462-7631

ELECTRICAL ENGINEERING DEGREE (M271)

The Associate of Science in Engineering – Electrical Engineering Program prepares students to pursue a bachelor's degree in electrical engineering at a four-year university in the State of Maryland. Students in the Associate of Science in Engineering – Electrical Engineering Program will receive extensive training to build a strong foundation in mathematics, physics, chemistry, and the fundamentals of electrical engineering. Graduates of the program will have the opportunity to seamlessly transfer to an electrical engineering program at a four-year university in the State of Maryland and graduate from that university two years after transferring.

ELECTRICAL ENGINEERING

Associate of Science in Engineering Degree Program

Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester	Credits	
PRE 100	Preparation for Academic Achievement	1
CHE 101	General Chemistry I	4
EGN 101	Engineering Graphics	3
ELC 120	DC Circuit Analysis	3

MAT 140	Calculus I	4
SP 101	Fundamentals of Speech Communication	3
Total Semester Credits		18

2nd Semester Credits

CSC 108	Programming in C	3
ELC 121	AC Circuit Analysis	3
HLF-Elective	Health and Life Fitness	1
MAT 141	Calculus II	4
ENG 101	English Writing	3
Total Semester Credits		14

3rd Semester Credits

ELC 256	Digital Fundamentals and Circuits	3
ENG 200	Introduction to Literature	3
HLF-Elective	Health and Life Fitness	1
MAT 210	Advanced Calculus	4
PHY 203	General Physics I	5
Total Semester Credits		16

4th Semester Credits

ECO 201	The American Economy I: Macroeconomic Theory	3
EGN 205	Special Topics in Electrical Engineering	1
H 101	History of American Civilization I	3
	Or	
H 151	World History I	
MAT 211	Differential Equations	4
PHY 204	General Physics II	5
Total Semester Credits		16
Program Total		64

***STUDENTS PLANNING TO TRANSFER TO MSU TAKE HLF 210 (2 CREDITS).

ENGINEERING TRANSFER PROGRAM

Liberty Campus

School of Business, Science, Technology, Engineering and Mathematics
Mathematics and Engineering Department
410-462-7631

ENGINEERING TRANSFER DEGREE (M023)

This degree program provides a strong general engineering background for students who wish to transfer to the third year of a specialized engineering college. Because it is not possible to satisfy the requirements of all engineering colleges, some students may need additional courses. Students are urged to consult the program head and/or their advisers before planning each semester schedule.

ENGINEERING TRANSFER

Associate of Science Degree Program Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester	Credits	
PRE 100	Preparation for Academic Achievement	1
CHE 101	General Chemistry I	4
EGN 101	Engineering Graphics	3
ENG 101	English Writing	3

INSTRUCTIONAL PROGRAMS

MAT 140	Calculus I	4
SP 101	Fundamentals of Speech Communication	3
Total Semester Credits		18
2nd Semester		Credits
CHE 102	General Chemistry II	4
CSC 108	Programming in C	3
HLF-Elective	HLF Health and Life Fitness*	1
MAT 141	Calculus II	4
ENG 200	Introduction to Literature OR	3
ENG 205	The Woman in Literature	
Total Semester Credits		15
3rd Semester		Credits
EGN 102	Statics	3
H 101	History of American Civilization I OR	
H 151	World History I	3
HLF-Elective	Health and Life Fitness*	1
MAT 210	Advanced Calculus	4
PHY 203	General Physics I	5
Total Semester Credits		16
4th Semester		Credits
ECO 201	The American Economy I: Macroeconomic Theory	3
EGN 201	Dynamics	3
MAT 211	Differential Equations	4
PHY 204	General Physics II	5
Total Semester Credits		15
Program Total		64

*Students intending to transfer to MSU take HLF 210 (2 credits)

FASHION DESIGN PROGRAMS

Liberty Campus

School of Business, Sciences, Technology, Mathematics, and Engineering

Business and Technology Department

410-462-7605

- Fashion Design Degree (M185)
- Fashion Retailing Concentration (M187)
- Fashion Design Certificate (M186)

BCCC offers several options in the area of Fashion Design: two different two-year courses of study leading to the Associate of Applied Science Degree in Fashion Design (or a Fashion Retailing concentration within that degree) and a 43-46 credit Certificate in Fashion Design.

Students who choose the Fashion Design Degree, will receive a technical background in illustrating original designs, patternmaking, and clothing construction to transform their designs into finished garments. Students in the Fashion Retailing concentration, take selected business and fashion courses as they prepare for challenging careers in the retail management sector of the fashion industry. The Fashion Design Certificate emphasizes the procedures and techniques needed to start a fashion design business or to upgrade skills.

Through classroom and hands-on experience, students develop skills in operating a small business, merchandising, management, display techniques,

costuming, patternmaking, and fashion show production. Freelance and entrepreneurial aspects are stressed. The program was cited for teaching excellence and innovative curriculum design by the Textile Manufacturers Institute.

Students whose placement testing indicates a need for skill development in reading, writing or mathematics will be required to take developmental courses. Arts/ Science for Transfer Students: Pre-100 and CLT-100 are program requirements for graduation.

FASHION DESIGN DEGREE (M185)

The Fashion Design Degree is structured for the student who plans to pursue freelance and entrepreneurial careers in the fashion field, or is seeking immediate entry into the fashion industry. Students prepare for careers as designers, assistant designers, computer designers, patternmakers, tailors, fashion stylists, and in the area of specialized design services.

Fashion Design

Associate of Applied Science Degree Program Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
ART 113	History of Art I OR	
ART 114	History of Art II	3
ENG 101	English Writing	3
FASH 101	Apparel Technology OR	
FASH 200	Advanced Apparel Technology	3
FASH 103	Fashion Design Concepts	3
FASH 108	Survey of Textiles	3
Total Semester Credits		16
2nd Semester		Credits
ART 101	Beginning Drawing	3
FASH 102	Historic Costume and Textile Development	3
FASH 104	Flat Pattern Design	3
SP 101	Fundamentals of Speech Communication	3
MAT-Elective	General Education Requirements: Mathematics	3
Total Semester Credits		15
3rd Semester		Credits
FASH 201	Technical Fashion Illustration	3
FASH 202	Computer-Assisted Pattern Design	3
FASH 203	Design by Draping I	3
HUM 202	Survey of Art, Literature, and Music	3
SBS-Elective	General Education Requirement: Social and Behavioral Sciences	3
Total Semester Credits		15
4th Semester		Credits
FASH 205	Tailoring Techniques	3
FASH 206	Fashion Entrepreneurship	3
FASH 207	Fashion Show Production	3

INSTRUCTIONAL PROGRAMS

HLF-Elective	Health and Life Fitness	2
BPS-Elective	General Education Requirement: Biological and Physical Sciences	3
Total Semester Credits		14
Program Total		60

FASHION DESIGN CERTIFICATE (M186)

The Fashion Design Certificate is intended for students who are seeking entrepreneurial careers in the fashion industry, or for the professional seeking to upgrade skills. These students either choose not to pursue an associate's degree, or already have degrees in a related field. Students study apparel construction, patternmaking, draping, tailoring and other related fashion courses.

Fashion Design Certificate

Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
FASH 101	Apparel Technology OR	
FASH 200	Advanced Apparel Technology	3
FASH 103	Fashion Design Concepts	3
FASH 108	Survey of Textiles	3
Total Semester Credits		10

2nd Semester

FASH 102	Historic Costume and Textile Development	3
FASH 104	Flat Pattern Design	3
FASH 105	Visual Merchandising	3
Total Semester Credits		9

Optional Elective

COP 100	Cooperative Education	1
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3rd Semester

FASH 201	Technical Fashion Illustration	3
FASH 202	Computer-Assisted Pattern Design	3
FASH 203	Design by Draping I	3
Total Semester Credits		9

4th Semester

FASH 204	Design by Draping II	3
FASH 205	Tailoring Techniques	3
FASH 206	Fashion Entrepreneurship	3
FASH 207	Fashion Show Production	3
Total Semester Credits		12
Program Total		40
Program Total (with optional elective)		41

FASHION RETAILING CONCENTRATION (M187) FASHION DESIGN DEGREE

The Fashion Retailing concentration is available to students seeking employment in the retail sector of the industry. Students pursue careers in management, retailing, merchandising, purchasing, selling, fashion coordination, advertising, marketing and related areas.

Fashion Retailing Concentration Associate of Applied Science Degree in Fashion Design

Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
ART 113	History of Art I OR	
ART 114	History of Art II	3
ENG 101	English Writing	3
BUAD 100	Introduction to Business	3
FASH 103	Fashion Design Concepts	3
FASH 108	Survey of Textiles	3
Total Semester Credits		16

2nd Semester

		Credits
MKTG 223	Marketing	3
MGMT 102	Principles of Supervision	3
BUAD 112	Computer for Business Management	3
SP 101	Fundamentals of Speech Communication	3
MAT-Elective	General Education Requirement: Mathematics	3
Total Semester Credits		15

3rd Semester

		Credits
FASH 106	Apparel Buying and Retailing	3
MGMT 222	Principles of Business Management	3
HLF-Elective	Health and Life Fitness	2
HUM 202	Survey of Art, Literature, and Music	3
SBS-Elective	General Education Requirement: Social and Behavioral Sciences	3
Total Semester Credits		14

4th Semester

		Credits
FASH 105	Visual Merchandising	3
FASH 206	Fashion Entrepreneurship	3
FASH 207	Fashion Show Production	3
COP 200	Cooperative Education	3
BPS-Elective	General Education Requirement: Biological and Physical Sciences	3
Total Semester Credits		15
Program Total		60

GENERAL STUDIES TRANSFER PROGRAM

Liberty Campus

School of Arts and Social Sciences

Education, Social and Behavioral Sciences

Department

410-462-7665

GENERAL STUDIES TRANSFER DEGREE (M008)

The General Studies degree program provides a flexible, yet academically sound framework for the student who is exploring career and academic opportunities; or for the student whose interests, aptitude, and career goals do not conform with other programs offered by the College.

INSTRUCTIONAL PROGRAMS

In the first year, the student's academic program consists of those courses which meet the College's General Education Requirements, and elective courses which may be for career or academic exploration. This first year affords the student the opportunity to participate in the breadth of the academic offerings of the College.

At the end of the first year, or upon completion of 30 to 34 credits, the student and his/her academic adviser then develop an academic plan for a career or technical program.

GENERAL STUDIES TRANSFER PROGRAM School of Arts and Social Sciences Education, Social and Behavioral Sciences Department

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
ENG 101	English Writing	3
H-Elective	Choose One: H 101, H 110, or H 151	3
SP 101	Fundamentals of Speech Communication	3
AH-Elective	General Education Requirements: Arts and Humanities	3
MAT-Elective	General Education Requirements: Mathematics	3
Total Semester Credits		16

*These history courses cannot also be counted toward the General Education Requirements. Also, students must select Parts I and II of the same sequence: H 102 must follow H 101, H 111 must follow H 110, and H 152 must follow H 151.

2nd Semester		Credits
ENG 102	Introduction to the Term Paper and Research Methods	3
H-Elective	Choose one: H 102, H 111, or H 152	3
HLF-Elective	Health and Life Fitness	1
BPS-Elective	General Education Requirements: Biological and Physical Sciences with lab	4
SBS-Elective	General Education Requirements: Social and Behavioral Sciences	3
Total Semester Credits		14

3rd Semester		Credits
Open Elective	Choose any course	3
HLF-Elective	Health and Life Fitness	1
PHI 101	Introduction to Philosophy	3
SBS-Elective	General Education Requirements: Social and Behavioral Sciences	3
BPS-Elective	General Education Requirements: Biological and Physical Sciences	3
Open Elective	Choose any course	3
Total Semester Credits		16

4th Semester		Credits
IEI-Elective	General Education Requirements: Interdisciplinary and Emerging Issues	3
IEI-Elective	General Education Requirements: Interdisciplinary and Emerging Issues	3
AH-Elective	General Education Requirements: Arts and Humanities	3

GEN-ED	General Education Requirements:	
Elective	General Education course	3
CLT 100	Computer Literacy	2
Total Semester Credits		14
Program Total		60

HEALTH INFORMATION TECHNOLOGY PROGRAMS

Liberty Campus

School of Nursing and Health Professions

Department

Office: 410-462-7722 Lab: 410-462-7735

- Health Information Technology Degree (M025)
- Coding Specialist Certificate (M205)

HEALTH INFORMATION TECHNOLOGY DEGREE (M025)

BCCC's Health Information Technology (HIT) graduates perform a variety of technical, health information management functions including organizing, analyzing, and technically evaluating health information; compiling administrative and health statistics; and coding diseases, operations, and other procedures. Responsibilities also include maintaining and using a variety of health information indices, special registries, storage and retrieval systems; inputting and retrieving computerized health data, and controlling the release of health information. The majority of health information practitioners work in acute care hospitals, ambulatory, long-term, and mental health facilities, state and federal agencies, and at insurance companies, and colleges. Some are self-employed in businesses such as transcription services and consulting.

Graduates are eligible to take the certification examination administered by the American Health Information Management Association. Passing the examination entitles a person to use the initials RHIT (Registered Health Information Technician) after his/her name. This national exam is offered once a quarter.

BCCC's HIT program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).

Students must score 35 or higher on the science placement test to be exempt from BIO 101 or BIO 102.

Transfer and returning students may be required to repeat any AH and HIT course whose credits are more than three years old. Students must earn a "C" or better in BIO 202 \ 203 and all AH and HIT courses.

Students in the Health Information Technology degree program who wish to receive the Coding Specialist Certificate must take HIT 226 Coding Practicum II. No course may be repeated more than twice (initial and one repeat).

Upon acceptance into the Program, students:

1. Must complete an American Heart Association CPR course. A copy of both sides of the card must be provided on the first day of class.

INSTRUCTIONAL PROGRAMS

- Are required to carry health insurance as long as they are in the program or sign a medical waiver accepting responsibility for their own health and safety in the classrooms and clinical areas to which they are assigned.
- Must show proof of current health status by physical exam less than a year old.
- Have up-to-date immunization/titres:
 - The Purified Protein Derivative (PPD) must be done annually
 - Rubella, Rubeola and Mumps titre and immunization, if necessary
 - Varicella (chicken pox) titre and immunization, if necessary
 - Hepatitis B screening, vaccine if necessary, or written waiver
- Seasonal flu and other immunizations may be required by the assigned clinical health care facility.
- Will be required to have a criminal background check and a drug screen per clinical agency regulations. Check with the Program Coordinator for more information.
- Must maintain a minimum of "C" in each required course to progress through the course and semester sequence.
- Must maintain a 2.0 GPA throughout the duration of the program.

In addition students:

- Will incur expenses for books, tuition, etc.
- Are responsible for their own transportation to and from clinical practicums.

Health Information Technology Associate of Applied Science Degree Program Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

** BCCC reserves the right to modify the above regulations/requirements at anytime in the student's enrollment.

Prerequisites	Credits
PRE 100 Preparation for Academic Achievement	1
Biology Placement Exam (Test out of BIO 101)	1
ENG 101 English Writing	3
AH 130 Medical Terminology	3
AH 135 Allied Health Pharmacology	2
BIO 202 Anatomy and Physiology I	4
Total Semester Credits	13

Complete Application to Health Information Technology Degree Program – See the "Health Information Technology Selective Admission Criteria and Process" @ <http://www.bccc.edu/Page/1667>

1st Semester		Credits
AH 230	Study of Disease Process	3
HIT 120	Health Information Systems	4
HIT 132	CPT-4 Coding Principles and RVUs/APGs	2
AH 110	Medical Jurisprudence	2
AH 110	Medical Jurisprudence and Ethics	2
ENG 102	Introduction to the Term Paper and Research Methods	
	OR	
ENG 113	Business Writing	3
Total Semester Credits		14
2nd Semester		Credits
HIT 130	Health Information Practicum I	2
PSY 101	Introductory Psychology	3
HIT 251	Healthcare Management Supervision	3
HIT 124	ICD-10-CM Coding Principles and Practice	4
HIT 232	Computer Applications in Healthcare	2
Total Semester Credits		14
3rd Semester		Credits
HIT 262	Electronic Health Record	2
HIT 231	Health Information Practicum II	1
BIO 203	Anatomy and Physiology II	4
HIT 252	Clinical Quality Assurance and CQI	3
Total Semester Credits		10
4th Semester		Credits
SP 101	Fundamentals of Speech Communication	3
MAT 107	Modern Elementary Statistics	3
HIT 252	Clinical Quality Assurance and CQ	2
HIT 241	Advanced ICD-10-CM Coding/DRGs and DSM-V	2
Total Semester Credits		10
Program Total		61

CODING SPECIALIST CERTIFICATE (M205)

This certificate course of study prepares a graduate for employment in a hospital, or a related healthcare setting, analyzing charts in order to assign codes using the ICD-10-CM, CPT-4, and DSM V-TR classification systems. Graduates are also able to use computer software encoders to obtain codes; the Medicare DRG, APR groupers for inpatients; and the APC grouper for assigning APCs for reimbursement. Students gain practice in coding a variety of medical specialties and problems, of acute care, ambulatory, and long-term care patients. This practice requires additional time in the lab during OPEN LAB time. This program can be completed by taking courses during the day, afternoon, and the evenings.

While this certificate requires only 37 credits, it takes three or four semesters to complete, because of course prerequisites. Students who complete the requirements earn the certificate as a Coding Specialist. Graduates are eligible to take the certification examinations administered by the American Health Information Management Association. Following graduation, the student may take an exam. Passing the exam entitles the student to use the initials CCA, (Certified Coding Associate). After coding for three years the graduate may take examinations to be recognized as a CCS, (Certified Coding Specialist), or a CCS-P, (Certified Coding Specialist- Physician Based), depending on

INSTRUCTIONAL PROGRAMS

whether the hospital or physician's office certification exam is taken.

Students must score 35 or higher on the science placement test to be exempt from BIO 101 or BIO 102. Transfer and returning students may be required to repeat any AH and HIT course whose credits are more than three years old.

Students must earn a "C" or better in BIO 202\203 and all AH and HIT courses. For additional information regarding admission and/or continued enrollment in the program, students should contact the program coordinator.

** BCCC reserves the right to modify the above regulations/requirements at anytime in the student's enrollment.

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

Prerequisites	Credits	
PRE 100	Preparation for Academic Achievement Biology Placement Exam (Test out of BIO 101)	1
AH 130	Medical Terminology	3
ENG 101	English Writing	3
BIO 202	Anatomy and Physiology I	4
HIT 232	Computer Applications in Health Care	2
AH 135	Allied Health Pharmacology	2
Total Semester Credits		15

Complete Application to Coding Specialist Certificate Program – see the "Coding Specialist Certificate Admission Criteria and Process" @ <http://www.bccc.edu/Page/1672>

1st Semester	Credits	
AH 230	Study of Disease Process	3
HIT 120	Health Information Systems	4
BIO 203	Anatomy and Physiology II	4
Total Semester Credits		11
2nd Semester	Credits	
HIT 124	ICD-10-CM Coding Principles and Practice	4
HIT 132	CPT-4 Coding Principles and RVUs/APGs	2
Total Semester Credits		6
3rd Semester	Credits	
HIT 226	Coding Practicum II	3
HIT 241	Advanced ICD-10-CM Coding/DRGs and DSM-IV	2
Total Semester Credits		5
Program Total		37

LAB ANIMAL SCIENCE CERTIFICATE

**Life Sciences Institute at UM Biopark
School of Business, Science, Technology,
Engineering and Mathematics
Natural and Physical Science Department
410-637-3802 or 410-637-3803**

LAB ANIMAL CERTIFICATE (M404)

The Lab Animal Science Certificate is designed to train students to be lab animal care and handling technicians or assistants. Lab animal care and handling technicians/assistants' responsibilities include: feeding,

watering, and examining laboratory animals for signs of illness, disease, or injury in laboratories; cleaning and disinfecting cages and work areas, and sterilize laboratory and surgical equipment; provide routine post-operative care, administer medication orally or topically, or prepare samples for laboratory examination under the supervision of veterinary or laboratory animal technologists or technicians, veterinarians, or scientists.

Lab Animal Science Certificate Program Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester	Credits	
PRE 100	Preparation for Academic Achievement	1
LSS 101	Laboratory Communication Skills	3
LSS 102	Laboratory Math, Computer Skills and Informatics	3
LSS 103	Laboratory and Sterilization Management	3
LSS 105	Introduction to Lab Animal Science	3
Total Semester Credits		13
2nd Semester	Credits	
BUAD 112	Computers for Business Management	3
BIO 199	Individual Study in Biology	4
Total Semester Credits		7
Program Total		20

***NOTE:** LSS 101, LSS 102, and LSS 103 are hybrid online classes. To be exempt from LSS 101 or LSS 102, you must consult with the program coordinator.

LAW ENFORCEMENT AND CORRECTIONAL ADMINISTRATION

Liberty Campus

School of Arts and Social Sciences

Education, Social and Behavioral Sciences

Department

410-462-7665

Law Enforcement and Correctional Administration Degree Program

- Law Enforcement Track (M022)
- Correctional Administration Track (M081)

Law Enforcement and Correctional Administration consists of two primary areas: Law Enforcement and Correctional Administration. In partnership with the Baltimore City Police Department, the concentrations and tracks provide people enrolled in the Police Academy with instruction and college credit. Basic and expanded criminal justice course sequences are available to police officer trainees. On-site courses are offered to in-service Baltimore City Police Department personnel at the Education and Training Division.

The Law Enforcement and Correctional Administration program focuses on providing continuing education for law enforcement, correctional officers, and other criminal justice professionals already employed in the field, and preparing new students for entry into the

INSTRUCTIONAL PROGRAMS

field. A wide range of courses is taught by experts in their fields. The programs enhance professional skills and prepare graduates for promotion or entry into many professional and administrative positions, within law enforcement, corrections, parole and probation, intake, counseling, youth services, pre-law, and others.

Many graduates of BCCC's Law Enforcement and Correctional Administration programs transfer to upperdivision or four-year institutions. To fully understand all requirements and prerequisites, students interested in transfer should consult early with the program head, the College's Transfer Counselor, and the intended four-year institution.

The Correctional Administration Track is designed to upgrade the knowledge and skills, of personnel in the treatment and correction of both juvenile and adult offenders. The programs prepare students for employment in correctional and related agencies and/or institutions.

The Law Enforcement Track is designed to upgrade the knowledge and skills of law enforcement professionals and people seeking employment in the field. Law enforcement courses incorporate recent developments in many disciplines, and present them in a manner appropriate for practitioners and students.

LAW ENFORCEMENT AND CORRECTIONAL ADMINISTRATION DEGREE CORRECTIONAL ADMINISTRATION TRACK (M081)

The concentration in Correctional Administration combines professional development with an academic degree. The Track requires 64-68 credits, slightly more than half of which, are criminal justice and correctional courses. In addition, students are required to complete the General Education Requirements for AAS programs.

Correctional Administration Track Associate of Applied Science Degree in Law Enforcement and Correctional Administration Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
CRJ 101	Introduction to Criminal Justice	3
CRJ-Elective	Program Elective: choose any CRJ course	3
ENG 101	English Writing	3
HLF-Elective	Health and Life Fitness	1
AH-Elective	General Education Requirements: Arts and Humanities	3
SBS-Elective	General Education Requirements: Social and Behavioral Sciences	3
Total Semester Credits		17

2nd Semester		Credits
CRJ 102	Report Writing for Criminal Justice Personnel	3
CRJ 106	Fundamentals of Corrections	3
HLF-Elective	Health and Life Fitness	1
SP 101	Fundamentals of Speech Communication	3
BPS-Elective	General Education Requirements: Biological and Physical Sciences	3
CLT-Elective	Computer Elective: BCAP 104, BUAD 112, CISS 109	3
Total Semester Credits		16

3rd Semester		Credits
CRJ 107	Institutional Treatment of Offenders	3
CRJ 201	Management Concepts	3
CRJ 210	Investigative Principles and Concepts	3
CRJ 214	Practical Law for Correctional Personnel	3
MAT-Elective	General Education Requirements: Mathematics	3
Total Semester Credits		15

4th Semester		Credits
CRJ 209	Probation and Parole	3
CRJ 292	Fieldwork in Administration of Justice and Public Safety	4
CRJ-Elective	CRJ Program Elective: choose one CRJ course	3
SBS-Elective	General Education Requirements: Social and Behavioral Sciences	3
Total Semester Credits		12
Program Total		60

LAW ENFORCEMENT AND CORRECTIONAL ADMINISTRATION DEGREE LAW ENFORCEMENT TRACK (M022)

The Law Enforcement Track within the Associate of Applied Science degree, combines professional development with an academic degree. The concentration requires 64-68 credits, slightly more than half of which are criminal justice and law enforcement courses. In addition, students are required to complete the General Education Requirements for AAS programs.

Law Enforcement Track Associate of Applied Science Degree in Law Enforcement and Correctional Administration Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
CRJ 101	Introduction to Criminal Justice	3
CRJ-Elective	CRJ Program Elective: choose any CRJ course	3
ENG 101	English Writing	3
HLF-Elective	Health and Life Fitness	1
AH-Elective	General Education Requirements: Arts and Humanities	3
Total Semester Credits		14

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2nd Semester		Credits
SBS-Elective	General Education Requirements: Social and Behavioral Sciences	3
CRJ 102	Report Writing for Criminal Justice Personnel	3
CRJ 104	Fundamentals of Law Enforcement	3
HLF-Elective	Health and Life Fitness	1
SP 101	Fundamentals of Speech Communication	3
BPS-Elective	General Education Requirements: Biological and Physical Sciences	3
Total Semester Credits		16
3rd Semester		Credits
CLT-Elective	Computer Elective: BCAP 104, BUAD 112, CISS 109	3
CRJ 201	Management Concepts	3
CRJ 210	Investigative Principles and Concepts	3
CRJ 211	Criminal Procedural Law	3
CRJ 213	Criminal Substantive Law	3
Total Semester Credits		15
4th Semester		Credits
MAT-Elective	General Education Requirements: Mathematics	3
CRJ 202	Organizational Dynamics	3
CRJ 220	Criminalistics	3
CRJ 292	Fieldwork in Administration of Justice and Public Safety	4
SBS-Elective	General Education Requirements: Social and Behavioral Sciences	3
Total Semester Credits		15
Program Total		60

LEGAL ASSISTANT PROGRAM

Liberty Campus

School of Arts and Social Sciences

Education, Social and Behavioral Sciences

Department

410-462-7665

- Legal Assistant Degree (M067)

The Legal Assistant, also referred to as a Paralegal, provides a variety of invaluable services in private law firms, banks, insurance companies, corporations, governmental agencies, and offices. Job duties often include conducting legal research, writing correspondence, drafting legal documents, and managing a law office. Paralegals may also investigate cases, interview clients and witnesses, and generally aid attorneys in preparing for trials and hearings.

BCCC offers an AAS degree program. Some paralegals advance their career beyond the associate or bachelor's degree by entering law school.

Program Objectives:

1. To provide a basic understanding of legal concepts and terminology.
2. To develop strong analytical, research and writing skills.
3. To develop an understanding of legal ethics and professional responsibility.
4. To develop practical skills that will enable the paralegal to competently assist an attorney in the

practice of law.

Students should note that a paralegal can only perform legal work under the direct supervision of an attorney, and are prohibited from independently engaging in the practice of law.

Legal Assistant (M067)

Associate of Applied Science Degree Program

Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
PLA 101	General Law I	3
ENG 101	English Writing	3
HLF-Elective	Health and Life Fitness	1
AH-Elective	General Education Requirements: Arts and Humanities	3
MAT-Elective	General Education Requirements: Mathematics	3
Total Semester Credits		14

2nd Semester		Credits
BUAD 112	Computers for Business Management OR	
BCAP 155	Word Processing for Business Applications OR	
CISS 109	Principles of Computer Information Systems	3
HLF-Elective	Health and Life Fitness	1
PLA 106	Legal Writing	3
PLA 107	Office Practice and Ethics	3
SP 101	Fundamentals of Speech Communication	3
PLA 268	Legal Research	3
Total Semester Credits		16

3rd Semester		Credits
PLA- Elective	**choose 2 courses from selected Track	6
PLA Special	*Choose 1 course from the 190 series	2
Topics:		
H-Elective	General Education Requirements: History cours	3
BPS-Elective	General Education Requirements: Biological and Physical Sciences with lab	4
Total Semester Credits		15

4th Semester		Credits
PLA 203	Practicum	3
PLA 204	General Law II	3
PLA-Elective	** Choose 2 courses from selected track	6
SBS-Elective	General Education Requirements: Social and Behavioral Sciences	3
Total Semester Credits		15
Program Total		60

PLA 190 SERIES: Special Topics in Legal Administration

PLA 193 Environmental Law 2

PLA 194 Constitutional Law 2

PLA 196 Employment Law 2

PLA 197 Communications Law 2

INSTRUCTIONAL PROGRAMS

NURSING PROGRAMS

Liberty Campus

School of Nursing and Health Professions

Department

410-462-7765

- Nursing Degree (M016)
- Practical Nursing Certificate (M216)
- LPN Advanced Placement

Nurses function as caregivers and patient advocates in the promotion and restoration of health, and the prevention of disease. The practice of nursing requires substantial specialized knowledge, clinical reasoning abilities, and technical skills based on physiological and psycho-social sciences, and the growing body of nursing concepts/knowledge. Nursing encompasses caring for a multicultural patient population across the life span of individuals in any setting where healthcare is needed.

Courses in the humanities contribute to the knowledge used when providing services to the whole person, in a caring, compassionate manner, while courses in the social, psychological, and biological sciences, give nurses a scientific basis for practice. BCCC's Nursing programs provide individual attention and flexible scheduling, to meet the needs of a diverse group of students, including: recent high school graduates, homemakers, and people already employed in other fields. To help students acquire and develop their skills, the programs provide a simulation laboratory, and a media center, equipped with DVD and interactive computer programs.

Before admission to any nursing course/program, all the sciences must be completed with a grade of "C" or better, and be no more than five years old at the time of entry into the Nursing Program. The General Education Requirements may be taken in any order, as agreed upon by the student and his/her Program Adviser. Students have the opportunity to practice their nursing skills and apply their classroom-learned theory at a variety of local hospitals, clinics, day care centers, and other community-based settings. During the course of study, students care for adult patients, patients with mental illnesses, children, and parents during child-bearing years. Students will be required to take nationally normed tests throughout the curriculum. In the last semester, students will be required to meet end of program completion requirements, and achieve a satisfactory score on a comprehensive exam prior to taking the licensing exam.

Application for Admission

All interested applicants must hold a high school diploma or its equivalent and meet/complete the following:

1. All required developmental coursework (math, reading and writing sequence).
2. PRE 100: Preparation for Academic Achievement.
3. Completion of BIO 202, BIO 203, and BIO 212.

4. A grade of "C" or better must be achieved in all science courses. Science courses must be completed within five (5) years of starting the nursing program. A science course can only be repeated once within 5 years.
5. Minimum G.P.A. of 2.5 or greater.
6. All students must have resident BCCC courses (minimum 6 credits).
7. All students must take the current Test of Essential Academic Skills (TEAS). The TEAS must be completed within one (1) year of starting the nursing program.
8. All students must pass the Biology 101 Placement Exam.
9. All students must meet the college's computer literacy requirement.

Because the Nursing programs have special entrance requirements, prospective applicants must meet with the Selective Admissions Counselor in the Office of Admissions, Recruitment and Orientation. Students must meet the entry requirements as published by the Nursing Program when applying for admission.

Eligibility for Licensure: Eligibility for admission to and continued enrollment in the Nursing programs, is conditional on an applicant's eligibility for licensure by the Maryland Board of Nursing. Under Maryland law, the Maryland Board of Nursing may deny a license to any applicant for reasons that include: but are not limited to, an applicant's conviction or pleading guilty or nolo contendere to a felony, or to a crime involving moral turpitude, (whether or not any appeal or other proceeding is pending), to have the conviction or plea set aside. The Maryland Board of Nursing mandates that new graduates submit to a criminal background check and fingerprinting prior to licensure.

All Nursing students must submit to a criminal background check. If an applicant for admission or an enrolled student has an unexpunged conviction, or is convicted at any time prior to admission or enrollment into the Nursing programs, or during participation in the Nursing course sequence, the applicant or enrolled student must immediately notify the Nursing Department. Failure to disclose an arrest or conviction may result in ineligibility for admission to, or suspension or termination from Nursing programs.

Upon acceptance into the Program, students:

1. Must complete an American Heart Association CPR course. A copy of both sides of the card must be provided on the first day of class.
2. Are encouraged to carry health insurance as long as they are enrolled in the program. Students are responsible for any charges that occur related to health and safety in the classrooms and clinical areas.
3. Must show proof of current health status by physical exam less than a year old.

INSTRUCTIONAL PROGRAMS

4. Have up-to-date immunization/titers:
 - a. The Purified Protein Derivative (PPD) must be done annually
 - b. Rubella, Rubeola and Mumps titer and immunization, if necessary
 - c. Varicella (chicken pox) titer and immunization, if necessary
 - d. Hepatitis B screening, vaccine if necessary, or written waiver
5. Seasonal flu and other immunization are required by the assigned clinical health care facility. Are required to have a criminal background check and a drug screen at their own expense. Information on how to obtain a criminal background check will be provided.
6. Must maintain a minimum of "C" in each nursing and science course to progress through the course and semester sequence.

In addition students:

1. Will incur expenses for books, tuition, uniforms and other media products etc.
2. Are responsible for their own transportation to and from clinical practicums.

NURSING DEGREE (M016)

The Associate of Science Degree prepares graduates to take the licensing examination (NCLEX-RN) to become registered nurses in the State of Maryland. The ADN program is accredited by the Accreditation Commission for Education in Nursing (ACEN), 3343 Peachtree Road NE, Suite 850, Atlanta, Georgia 30326.

Nursing

Associate of Science Degree Program

Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

** BCCC reserves the right to modify the above regulations/requirements at anytime in the student's enrollment.

Pre-Program Entry		Credits
PRE 100	Preparation for Academic Achievement	1
BIO 202	Anatomy and Physiology I	4
BIO 203	Anatomy and Physiology II	4
BIO 212	Microbiology	4
Total Pre-Entry Credits		13

Complete Application to Nursing Program – see the "Nursing Program Selective Admission Criteria and Process" @ <http://www.bccc.edu/Page/1612>

1st Semester		Credits
ENG 101	English Writing	3
NUR 111	Calculation of Medications in Nursing	1
NUR 120	Introduction to Nursing Practice	8
PSY 101	Introductory Psychology	3
Total Semester Credits		15

2nd Semester		Credits
NUR 122	Medical-Surgical Nursing of Adults I	8
PSY 104	Developmental Psychology	3
SOC 101	Introduction to Sociology	3
Total Semester Credits		14

3rd Semester		Credits
NUR 218	Maternal and Child Health Nursing	6
NUR 222	Care of the Client with Mental Health Problems	4
SP 101	Fundamentals of Speech Communication	3
Total Semester Credits		13

4th Semester		Credits
NUR 220	Medical-Surgical Nursing of Adults II	8
NUR 216	Perspectives and Issues in Nursing	1
MAT 107	Modern Elementary Statistics 3	
ENG-Elective	General Education Requirements:	
	Arts and Humanities: Literature Elective	3
Total Semester Credits		15
Program Total		70

LICENSED PRACTICAL NURSE TO ASSOCIATE DEGREE IN NURSING

Licensed Practical Nurse (LPNs) may challenge by examination, first-semester nursing (NUR) courses. The first semester courses that may be challenged are NUR 111 and NUR 120. The LPN who meets all the College and Nursing admission requirements and passes the challenge exams will enter the second semester of the Associate Degree in Nursing Program.

Additional Admission Requirements

All interested applicants must meet/ complete the following:

1. Application to the College.
2. Active, unencumbered Maryland LPN license.
3. Evidence of graduation from an approved LPN program.
4. All required developmental coursework (Math, Reading and Writing sequence).
5. All students must pass the Biology 101 Placement Exam.
6. Completion of BIO 202, BIO 203, and BIO 212.
7. A grade of "C" or better must be achieved in all science courses. Science courses must not be older than ten years at the time the student takes his/her seat in the Nursing program. A science course can only be repeated once within a five year time frame.
8. All students must take the current Test of Essential Academic Skills (TEAS). The TEAS must be completed within one year of starting the Nursing program.
9. Completion of English 101, Psychology 101, and PRE 100.
10. Minimum G.P.A. of 2.5 or greater.
11. All students must meet the College's computer literacy requirement.
12. All students must have resident BCCC courses (minimum of six credits).

INSTRUCTIONAL PROGRAMS

Courses	Credits
PRE 100 Preparation for Academic Achievement	1
BIO 202 Anatomy and Physiology I	4
BIO 203 Anatomy and Physiology II	4
BIO 212 Microbiology	4
ENG 101 English Writing	3
MAT 107 Modern Elementary Statistics	3
PSY 101 Introductory Psychology	3
PSY 104 Developmental Psychology	3
SOC 101 Introduction to Sociology	3
SP 101 Fundamentals of Speech Communication	3
General Education Requirements: Arts and Humanities: ENG 200-level course	3
Total	34

See nursing courses for additional information.

PRACTICAL NURSING CERTIFICATE (M216)

The Practical Nursing Certificate is a one-year program that prepares graduates to take the licensing examination, (NCLEX-PN). Prospective students may select the program either on admission to the College, or after completing core courses: NUR 111: Calculation of Medication in Nursing, and NUR 120: Introduction to Nursing Practice. Licensed Practical Nurses function under the direction and supervision of a Registered Nurse, and/or a primary care provider, to provide care for clients in a variety of healthcare settings. The LPN works in a team relationship with other healthcare providers. The program is approved by the Maryland Board of Nursing (MBON). The College's computer literacy requirement is a prerequisite for entry into the Practical Nursing Certificate Program.

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

** BCCC reserves the right to modify the above regulations/requirements at anytime in the student's enrollment

Prerequisites	Credits
PRE 100 Preparation for Academic Achievement	1
BIO 202 Anatomy and Physiology I	4
BIO 203 Anatomy and Physiology II	4
BIO 212 Microbiology	4
Total Prerequisites Credits	13
1st Semester	Credits
ENG 101 English Writing	3
NUR 111 Calculation of Medications in Nursing	1
NUR 120 Introduction to Nursing Practice	8
PSY 101 Introductory Psychology	3
Total Semester Credits	15
2nd Semester	Credits
PNUR 101 Adult Health Nursing I	5
PNUR 105 Adult Health Nursing II	5
Total Semester Credits	10

3rd Semester	Credits
PNUR 110 Nursing in Child-Bearing and Child-Rearing Families	6
PNUR 115 Seminar in Practical Nursing Issues	1
Total Semester Credits	7
Certificate Total	45

** BCCC reserves the right to modify the above regulations/requirements at anytime in the student's enrollment.

OFFICE ADMINISTRATION PROGRAM

**Liberty Campus
School of Business, Science, Technology,
Engineering and Mathematics
Business and Technology Department
410-462-7605**

OFFICE ADMINISTRATION DEGREE PROGRAM (M259)

This degree is designed to provide graduates with the expertise necessary to function as top-notch administrative support personnel. Students pursuing this major may sit for the nationally recognized, Certified Professional Secretary's (CPS) examination, after accumulating at least three years' work experience in the field.

The Administrative Assistant Program offers courses in six disciplines covered on the CPS examination. Students interested in pursuing certification, are advised about the specific general education courses necessary to prepare for this examination.

The Administrative Assistant Program is accredited by the Association of Collegiate Business Schools and Programs (ACBSP).

Office Administration Degree Associate of Applied Science Degree in Office Administration Recommended Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester	Credits
PRE 100 Preparation for Academic Achievement	1
BCAP 104 Introduction to Operating Systems: DOS/Windows	3
ENG 101 English Writing	3
OFAD 100 Office Procedures	3
OFAD 117 Records Management	3
OFAD 123 Document Formatting I	3
Total Semester Credits	16
2nd Semester	Credits
ECO 201 The American Economy I: Macroeconomic Theory	3
OFAD 119 Word Processing Applications I	3
OFAD 124 Document Formatting II	3
SP 101 Fundamentals Of Speech Communications	3
BPS-Elective General Education Requirements: Biological and Physical Sciences	3
Total Semester Credits	15

INSTRUCTIONAL PROGRAMS

3rd Semester		Credits
BUAD 100	Introduction to Business	3
ENG 113	Business Writing	3
GE-Elective	General Education Requirements: Choose any General Education Course	3
MAT 107	Modern Elementary Statistics OR	
MAT 125	Finite Mathematics	3
OFAD 121	Word Processing Applications II	3
Total Semester Credits		15
4th Semester		Credits
ACCT 221	Principles of Financial Accounting	3
HLF 100	Health and Life Fitness	2
COP 200	Cooperative Education OR	
OFAD 250	Office Administration/Technology Internship	3
GE-Elective	General Education Requirements: Choose any General Education Course	3
OFAD 215	Office Management	3
Total Semester Credits		14
Program Total		60

PARAMEDICINE PROGRAM

Liberty Campus
School of Nursing and Health Professions
Department
410-462-7731

The Paramedicine Program is an Emergency Medical Services Education program approved by the Maryland Institute for Emergency Medical Services Systems as required by the Code of Maryland Regulations (COMAR).

The Paramedicine Program is an Emergency Medical Services Education Program approved by the Maryland Institute for Emergency Medical Services Systems as required by the Code of Maryland Regulations (COMAR). Also, the Baltimore City Community College has been issued a Letter of Review by the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP). This letter is NOT a CAAHEP accreditation status, it is a status signifying that a program seeking initial accreditation has demonstrated sufficient compliance with the accreditation Standards through the Letter of Review Self Study Report (LSSR) and other documentation. Letter of Review is recognized by the National Registry of Emergency Medical Technicians (NREMT) for eligibility to take the NREMT's Paramedic credentialing examinations. However, it is NOT a guarantee of eventual accreditation.

The Paramedicine Program offers a choice of certificates based on the current certification level of the entering student and an AAS Degree in Paramedicine.

PARAMEDIC BRIDGE CERTIFICATE (M711)
 The Paramedic Bridge Certificate allows Emergency Medical Service (EMS) providers who are currently certified as Maryland Cardiac Rescue Technicians to advance to certification as a Nationally Registered Paramedic.

Paramedic Bridge Certificate Recommended Sequence of Courses

Prerequisites	Credits
Maryland Licensed CRT-99; Credit for previous training and experience	12
PRE 100 Preparation for Academic Achievement	1
BIO 107 Anatomy and Physiology	4
Total Prerequisite Credits	17
1st Semester	Credits
EMSP 203 Paramedic Bridge 1	13
EMSP 124 Paramedic Bridge Clinical	2
Total Semester Credits	15
2nd Semester	Credits
EMSP 212 Paramedic Bridge II	11
Total Semester Credits	11
Program Total	43

PARAMEDIC CERTIFICATE

Liberty Campus
School of Nursing and Health Professions
Department
410-462-7795

The Paramedic Certificate is a special admissions program that allows EMS providers who are currently certified as Maryland Emergency Medical

Technicians to advance to certification as a Nationally Registered Paramedic.

Paramedic Certificate (M713)

Recommended Sequence of Courses

Prerequisites	Credits
EMSP 104 Emergency Medical Technician or Maryland Certified Emergency Medical Technician	0
PRE 100 Preparation for Academic Achievement	1
BIO 107 Anatomy and Physiology	4
Total Prerequisite Credits	5
1st Semester	Credits
EMSP 115 Paramedic I	10
EMSP 116 Paramedic Clinical Rotations I	2
Total Semester Credits	12
2nd Semester	Credits
EMSP 123 Paramedic II	12
EMSP 124 Paramedic Clinical Rotations II	2
Total Semester Credits	14
3rd Semester	Credits
EMSP 206 Paramedic III	12
Total Semester Credits	12
Program Total	43

INSTRUCTIONAL PROGRAMS

PARAMEDICINE ASSOCIATE APPLIED SCIENCE DEGREE

Liberty Campus

School of Nursing and Health Professions Department
410-462-7731

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

The Associate of Applied Science Degree allows students who have completed one of the Paramedic certificates or EMS providers who are currently licensed as Maryland Paramedics to achieve an Associate of Applied Science Degree in Paramedicine.

Prerequisites		Credits
Completion of Paramedic Certificate or Paramedic Bridge Certificate or Maryland Licensed Paramedic		43
Total Prerequisite Credits		43
General Education Requirements		Credits
ENG 101	English Composition	3
SP 101	Fundamentals of Speech Communication	3
PSY 101	Introduction to Psychology	3
MAT Elective	Any General Education Math Course	3
GE-Elective	Any General Education Courses	3
GE-Elective	Any General Education Courses	3
Total Semester Credits		18
Program Total		61

PHYSICAL THERAPIST ASSISTANT PROGRAM

Liberty Campus

School of Nursing and Health Professions Department
410-462-7723 or 410-462-7720

PHYSICAL THERAPIST ASSISTANT DEGREE (M039)

The Physical Therapist Assistant (PTA) Program is a 2-year course of study leading to an Associate of Applied Sciences (AAS) degree. Students combine academic study in physical therapist assisting procedures, anatomy, kinesiology, medical conditions, and professionalism with clinical education and practice.

Graduates work under the supervision of professional physical therapists and are successfully employed in hospitals, rehabilitation centers, extended care and sub-acute facilities, schools and pediatric centers, private PT practices, and out-patient clinics. They are trained to treat patients suffering from physical disabilities related to disease or injury or needing post-surgical rehabilitation using various procedures and modalities, therapeutic exercises, mobility training, cardiopulmonary rehabilitation, general conditioning, posture and body mechanics instruction, and other patient education.

The Physical Therapist Assistant Program is accredited by the Commission on Accreditation in Physical

Therapy Education (CAPTE). BCCC's PTA Program has been designated as Statewide by the Maryland Higher Education Commission.

Graduates of the program are fully qualified to take the national licensing examination administered by the Federation of State Boards of Physical Therapy (FSBPT). It is required to be eligible for licensure in Maryland and most other states.

Prospective applicants should contact the Selective Admissions Counselor at the College's Admissions, Recruitment and Orientation Office for detailed information on the special academic, observation/volunteer hours, and application requirements for selective admission and continued enrollment in the PTA Program. Applicants are accepted into the program for the fall semester and must take all PTT courses in sequence as designated, while maintaining a minimum grade of "C" in each PTT course.

Note: Under Maryland law, the Maryland Board of Physical Therapy Examiners may deny issuing a PTA license to any candidate who has been convicted of a felony or a crime of moral turpitude. Hence, applicants are required to complete a background check after acceptance to the PTA program and prior to licensure in many states, including Maryland. Applicants are strongly advised to consider results of a thorough background check and how their results may impact their ability to complete clinical requirements in the program and/or apply for licensure. The PTA program faculty has no authority regarding licensure.

Upon acceptance into the Program, students:

1. Must complete an American Heart Association Health Care Provider CPR course. A copy of both sides of the card must be provided on the first day of class.
2. Are required to carry health insurance as long as they are in the program.
3. Submit proof of current health status by physical exam completed less than 3 months before the beginning of the Spring (2nd) semester.
4. Submit proof of up-to-date immunization/titres by the beginning of the second semester:
 - a. The Purified Protein Derivative (PPD) must be done annually or chest xray with documentation of negative results less than 3 months before the beginning of the spring semester
 - b. Rubella, Rubeola and Mumps titre or immunization
 - c. Varicella (chicken pox) titre and immunization
 - d. Hepatitis B vaccine or written declination/waiver
 - e. Seasonal flu/influenza immunization
5. Are required to have a criminal background check and a drug screen
6. Must maintain a minimum of "C" in each PTT and science course to progress through the course and semester sequence.

Please see the Admission Specialist for the Health Sciences programs for additional information regarding essential abilities and/or functions required for the program.

INSTRUCTIONAL PROGRAMS

Physical Therapist Assistant Associate of Applied Science Degree Program Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

Prerequisites		Credits
PRE 100	Preparation for Academic Achievement	1
BIO 107	Anatomy and Physiology	4
ENG 101	English Writing	3
MAT 107	Modern Elementary Statistics OR	
MAT 128	Precalculus I: College Algebra	3-4
PSY 101	Introductory Psychology	3
Total Semester Credits		14-15

Note: The above Prerequisites meet the College's General Education Requirements.

Complete Application to Physical Therapist Assistant Program – see the “Physical Therapist Assistant Program Selective Admission Criteria and Process” @ <http://www.bccc.edu/Page/1606>

1st Semester		Credits
PTT 112	Introduction to Physical Therapist Assisting	2
PTT 120	Physical Therapist Assisting Procedures I	5
SOC 101	Introduction to Sociology	3
SP 101	Fundamentals of Speech Communication	3
HLF-Elective	Health and Life Fitness	1
Total Semester Credits		14

2nd Semester		Credits
PTT 140	Medical Lectures	4
PTT 150	Physical Therapist Assisting Procedures II	5
PSY 104	Developmental Psychology	3
HLF-Elective	Health and Life Fitness	1
Total Semester Credits		13

Summer		Credits
PTT 215	Pediatric/Adult Rehabilitation Procedures	2
Total Summer Credits		2

3rd Semester		Credits
PTT 240	Physical Therapist Assisting Procedures III	5
PHTT 260	Clinical Education I	4
Total Semester Credits		9

4th Semester		Credits
PTT 210	Physical Therapist Assisting Seminar	2
PTT 250	Physical Therapist Assisting Procedures IV	4
PTT 213	Clinical Education II (5 weeks-Full Time)	4
PHTT 214	Clinical Education III (6 weeks-Full Time)	5
Total Semester Credits		15
Program Total		67-68

** BCCC reserves the right to modify the above regulations/requirements at anytime in the student's enrollment.

RESPIRATORY CARE PROGRAM

Liberty Campus
School of Nursing and Health Professions
Department
410-462-7746

RESPIRATORY CARE DEGREE (M220)

A respiratory care practitioner provides quality healthcare by delivering medical gases, aerosol and humidity therapies, pulmonary hyperinflation care, patient education, health promotion, mechanical ventilation, and care for artificial airways. In addition, the respiratory care practitioner provides diagnostic and rehabilitation services to the cardiopulmonary patient. Graduates of the respiratory care program are academically qualified to provide respiratory care under the direction of a licensed physician, to patients in acute care hospitals, skilled nursing facilities, long-term care centers, physicians' offices, and home care agencies.

Program graduates are eligible to take the National Board of Respiratory Care (NBRC) credentialing examinations. Graduates who score at or above the Low Cut value on the Therapist Multiple-Choice examination earn the Certified Respiratory Therapist (CRT) credential, a requirement for licensure by the Maryland Board of Physicians and the practice of Respiratory Care in the state of Maryland. Graduates who achieve the High Cut score on the Therapist Multiple-Choice examination are eligible to take the NBRC's Clinical Simulation Examination. Graduates who successfully complete the Clinical Simulation Examination earn the Registered Respiratory Therapist (RRT) credential. The Maryland Board of Physicians is the State agency responsible for issuing the Respiratory Care license. An applicant for State licensure must disclose any arrest records, or a record of convictions to the licensing board. Any student with a history of criminal activity should seek clarification from the Physician's Board of Quality Assurance concerning eligibility for licensure.

Admission Requirements: The program has a selective admission process. Prospective applicants should contact the Respiratory Care Department for detailed information on the special academic requirements that are required. A minimum 2.5 GPA with a "C" is required in the required prerequisite courses. Students who have not earned a college degree must have completed all science prerequisite courses within the last five years before admission into the Program.

Upon acceptance into the Program, students:

1. Must complete an American Heart Association Health Care Provider CPR course. A copy of both sides of the card must be provided on the first day of class.
2. Are required to carry health insurance as long as they are in the program.
3. Must show proof of current health status by physical exam less than a year old.

INSTRUCTIONAL PROGRAMS

4. Have up-to-date immunization/titres:
- The Purified Protein Derivative (PPD) must be done annually
 - Rubella, Rubeola and Mumps titre and immunization, if necessary
 - Varicella (chicken pox) titre and immunization, if necessary
 - Hepatitis B screening, vaccine if necessary, or written waiver
 - Seasonal flu and other immunizations may be required by the assigned clinical health care facility.
5. Are required to have a criminal background check and a drug screen at their own expense. Information on how to obtain a criminal background check will be provided. Criminal background check is required by the clinical placement site.
6. Must maintain a minimum of "C" in each RC and science course to progress through the course and semester sequence.

In addition students:

- Will incur expenses for books, tuition, etc.
- Are responsible for their own transportation to and from clinical practicums.

Students should consult the Respiratory Care Department for detailed information about the special academic, insurance, and medical requirements for admission to, and continued enrollment in this program.

Respiratory Care

Associate of Applied Science Degree Program Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements as a prerequisite to the Program. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

Program Prerequisites	Credits
PRE 100 Preparation for Academic Achievement	1
BIO 101 General Biology	3
BIO 107 Anatomy and Physiology	4
CHE 101 General Chemistry	4
	OR
CHE 103 Allied Health Chemistry	
ENG 101 English Writing	3
MAT General Education Requirement: Mathematics	3
Total Semester Credits	18

Program Entry: The following courses are the sequence for students selected into the RC program- see the RC program selective admission process @ <http://www.bccc.edu/Page/1799>

1st Semester	Credits
PSY 101 Introductory Psychology	3
RC 111 Cardiorespiratory Science I	2
RC 112 Cardiorespiratory Equipment I	1
RESP 113 Cardiorespiratory Anatomy and Physiology	3
RESP 115 Clinical Practicum I	2
Total Semester Credits	11

2nd Semester		Credits
RC 121	Cardiorespiratory Science II	3
RC 122	Cardiorespiratory Equipment II	1
RC 123	Manifestations of Cardiorespiratory Diseases	3
RC 125	Clinical Practicum II	4
RC 127	Cardiorespiratory Pharmacology	3
Total Semester Credits		14

Summer		Credits
RC 135	Clinical Practicum III	4
Total Semester Credits		4

3rd Semester		Credits
RC 211	Cardiorespiratory Science III	2
RC 212	Cardiorespiratory Equipment III	1
RC 213	Cardiorespiratory Diagnostics	2
RC 214	Cardiorespiratory Diagnostics Laboratory	1
RC 215	Clinical Practicum IV	4
Total Semester Credits		10

4th Semester		Credits
RC 221	RC Seminar	1
RC 223	Rehabilitation and Continuing Care	2
RC 225	Clinical Practicum V	4
SP 101	Fundamentals of Speech Communication	3
Total Semester Credits		10
Program Total		67

** BCCC reserves the right to modify the above regulations/requirements at anytime in the student's enrollment.

ROBOTICS/MECHANTRONICS TECHNOLOGY

Liberty Campus

School of Business, Science, Technology,
Engineering and Mathematics
Business and Technology Department
410-462-7631

ROBOTICS/MECHANTRONICS TECHNOLOGY (M307)

The Robotics/Mechantronics Technology Program trains students to be robotics/mechatronics/automation/manufacturing/electronics technicians who can program, troubleshoot, and repair robots and mechatronics devices in different applications. A robotics/mechatronics technician is a highly skilled person who works with industrial/manufacturing specialists in the rapidly expanding and dynamic industry of automated manufacturing. The robotics/mechatronics student receives extensive training in robotics, electronics, computer controls, data acquisition, mechanical controls, pneumatics, electrical power, motors, and hydraulics relative to industrial robots and mechatronics devices. The graduates of the Robotics/Mechantronics Technology Program can also transfer to Morgan State University and Capitol College to pursue BS degrees in Engineering or Engineering Technology.

Robotics/Mechantronics Technology

Associate of Applied Science Degree Program Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate**

INSTRUCTIONAL PROGRAMS

seeking students are required to complete the PRE 100 course within the first six credits.

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
SP 101	Fundamentals of Speech Communication	3
ELC 120	DC Circuits Analysis	3
**MAT 128	Precalculus I: College Algebra	4
RBT 101	Introduction to Robotics /Mechatronics	3
HLF-Elective	Health and Life Fitness Elective	1
Total Semester Credits		15
2nd Semester		Credits
ELC 121	AC Circuits Analysis	3
ENG 101	English Writing	3
CSC 108	Programming in C	3
HLF-Elective	Health and Life Fitness Elective	1
MAT 129	Pre-Calculus II	4
Total Semester Credits		14
3rd Semester		Credits
***PHY 101	Fundamentals of Physics I	4
RBT 201	Computer Assisted Manufacturing (CAM)	3
ELC 256	Digital Fundamentals and Circuits	3
EGN 101	Engineering Graphics	3
ECO 201	The American Economy I: Macroeconomic Theory	3
Total Semester Credits		16
4th Semester		Credits
RBT 203	Robotics Applications and Programmable Logic Controllers (PLCs)	4
RBT 205	Mechatronics: Principles and Applications	4
CADD 208	CADD Mechanical Applications	3
BPS-Elective	General Education Elective: Biological and Physical Sciences with lab	4
Total Semester Credits		15
Program Total		60

* Robotics /Mechantronics Technology students may have summer internship opportunities at industries or Morgan State University School of Engineering.

** Depending on a student's BCCC college math placement scores (through the Accuplacer Test) and the Robotics /Mechantronics Technology Coordinator's evaluation of the student's math placement scores, a Robotics/Mechantronics Technology student may be placed into a higher level math course such as MAT 129, or MAT 140 instead of MAT 128.

*** PHY 203 maybe substituted for PHY 101.

SURGICAL TECHNOLOGY PROGRAM

Liberty Campus

School of Nursing and Health Professions

Department

410-462-7756

- Surgical Technologist Degree (M208)

This two-year, 64-65-credit AAS degree program prepares students for successful employment in an operating room, assisting the surgeon and other members of the professional staff with patient care before, during, and after surgery. Through classroom study and clinical fieldwork in area hospitals, students learn surgical asepsis, and the preparation and use of instrumentation and equipment. Students completing the program are

eligible to take the certifying examination given by the Association of Surgical Technologists. Prospective SGT students should consult with the Office of Admissions, Recruitment and Orientation about the insurance, course sequence, and grade standards that must be maintained. Students must be eligible for all college-level courses to be eligible for admission to the program.

Upon acceptance into the Surgical Technologist program students must:

1. Complete an American Heart Association Health Care Provider CPR course prior to first clinical rotation.
2. Carry health insurance as long as they are in the program.
3. Maintain a minimum of "C" in each SGT, AH, and science course to progress through the program.
4. Show proof of current health status by physical exam less than a year old before attending first clinical rotation.
5. Have up-to-date immunization/titres
 - a. The Purified Protein Derivative (PPD) must be done annually.
 - b. Rubella, Rubeola and Mumps titre and immunization, if necessary.
 - c. Varicella (chicken pox) titre and immunization, if necessary.
 - d. Hepatitis B screening, vaccine if necessary, or written waiver.
 - e. Seasonal flu and other immunizations may be required by the assigned clinical health care facility.
6. Have a criminal background check and a drug screen per regulations of the clinical facility. Check with the Program Coordinator for specific information.

This program has a selective admission process. Prospective applicants should contact the Selective Admissions Counselor at the College's Admissions, Recruitment and Orientation Office for detailed information on the special academic requirements that are required. Please see the Admission Specialist for the Health Sciences programs for additional information regarding essential abilities and/or functions required for the program.

In addition students:

1. Will incur expenses for books, tuition, clinical supplies, and uniforms.
2. Are responsible for their own transportation to and from clinical practicums.

Surgical Technologist

Associate of Applied Science Degree Program

Suggested Sequence of Courses

** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.

INSTRUCTIONAL PROGRAMS

Prerequisites		Credits
PRE 100	Preparation for Academic Achievement	1
	Biology Placement Exam (Test out of BIO 101)/	
	Computer Literacy Exam	0
ENG 101	English Writing	3
MAT 107	Modern Elementary Statistics	
	OR	
MAT 128	Precalculus I: College Algebra	3-4
SP 101	Fundamentals of Speech Communication	3
	Total Semester Credits	10-11
Complete Application to Surgical Technology Program – see the “Surgical Technology Program Selective Admission Criteria and Process” @ http://www.bccc.edu/Page/1205		
1st Semester		Credits
AH 130	Medical Terminology	3
BIO 107	Anatomy and Physiology	4
SOC 101	Introduction to Sociology	3
SGT 101	Instrumentation	3
	Total Semester Credits	13
2nd Semester		Credits
AH 230	Study of Disease Process	3
SGT 103	Introduction of Surgical Technology	5
SGT 104	Basic Surgical Procedures	3
	Total Semester Credits	11
Summer		Credits
SGT 105	Hospital Clinical I	5
	Total Semester Credits	5
3rd Semester		Credits
AH 135	Allied Health Pharmacology	2
BIO 212	Microbiology	4
SGT 201	Hospital Clinical II	4
SGT 205	More Advanced Surgical Procedures	3
	Total Semester Credits	13
4th Semester		Credits
AH 110	Medical Jurisprudence and Ethics	2
SGT 210	Hospital Clinical III	4
SGT 215	Advanced and Specialized Procedures	3
PSY 101	Introductory Psychology	3
	Total Semester Credits	12
	Program Total	64-65

** BCCC reserves the right to modify the above regulations/requirements at any time in the student’s enrollment.

Please see the Program Coordinator of the Surgical Technologist Program for additional information and courses concerning the certificate program.

TEACHER PREPARATION PROGRAMS

Liberty Campus

School of Arts and Social Sciences

Education, Social and Behavioral Sciences

Department

410-462-7665

- Maryland Teacher Certification Pathway
- Special Education Assistant Certificate (M116)
- Teacher Education Math/Science Concentration (M141)
- Teacher Education Transfer Degree (M019)
- Elementary Education/ Generic Special Education-PreK-12 Degree (M256)

BCCC also offers State-approved courses that meet Maryland State certification requirements. For more information, call 410-462-7742 or 410-462-7741.

MARYLAND TEACHER CERTIFICATION PATHWAY

The Maryland Teacher Certification Pathway is a non-degree, non-certificate conferring course of study. It is offered through Baltimore City Community College to individuals who already possess a Bachelor’s Degree and are interested in meeting Maryland State Department of Education (MSDE) teacher certification requirements. MSDE recognizes courses taken at Baltimore City Community College as meeting state certification requirements. Since certification requirements differ, based on specialty area and differences in specific student educational histories, all students are strongly urged to seek advisement from the Director or Program Manager of the Center for Teaching Excellence before registering for courses. For more information on the teacher certification process, prospective students are urged to contact the MSDE Division of Teacher Certification at 410-767-0412 or by visiting their website at www.msde.state.md.us.

PROFESSIONAL EDUCATION COURSES

Certification Courses Required for All Areas of Certification:

Courses	Credits	
EDU 255	Educational Assessment	3
PSY 207	Psychology of Human Learning and Behavior	3
SED 220	Special Education: An Overview	3

Additional Teacher Certification Courses for Early Childhood Elementary (K-3), Elementary Education (1-6) and Middle School:

Courses	Credits	
ECE 112	Child Growth and Development I	3
EDU 215	Developmental Processes and the Acquisition of Reading Competency	3
EDU 220	Instruction of Reading Competency	3
EDU 225	Effective Assessment and the Teaching of Reading	3
EDU 230	Selection, Evaluation, and Utilization of Materials and Technology to Teach Reading	3
EDU 250	Introduction to Effective Elementary Methods	3

INSTRUCTIONAL PROGRAMS

Additional Teacher Certification Courses for Secondary and Content Area Specification (N-12)(7-12):

		Credits
PSY 104	Developmental Psychology OR	
PSY 208	Psychology of Adolescent Development	3
EDU 235	Methods of Teaching Reading in Secondary Content Areas, Part I	3
EDU 240	Methods of Teaching Reading in Secondary Content Areas, Part II	3
EDU 260	Introduction to Effective Teaching Methodology in Secondary/Specific Content Area	3

Additional Teacher Certification Courses for General Special Education—Elementary Education and Middle School (K-8):

		Credits
ECE 112	Child Growth and Development I	3
PSY 104	Developmental Psychology	3
SED 230	Curriculum and Elementary Methods of Instruction for Children with Mild to Moderate Disabilities	3
SED 240	Methods of Assessment in the Education of Children with Mild to Moderate Disabilities	3
SED 255	Successful Inclusive Teaching Methods: Teaching and Managing Students with Disabilities in the Regular Classroom	3
SED 260	Communication and Consultation in the Implementation of Special Education	3

Additional Teacher Certification Courses for General Special Education—Secondary Education (6-12):

PSY 104	Developmental Psychology	3
PSY 208	Psychology of Adolescent Development	3
SED 225	Curriculum and Secondary Methods of Instruction for Adolescents with Mild to Moderate Disabilities	3
SED 235	Methods of Assessment in the Education of Adolescents with Mild to Moderate Disabilities	3
SED 238	Diagnostic and Prescriptive Techniques in IEP Development and Implementation	3
SED 245	Prevocational and Vocational Planning and Methods of Instruction for Students with Mild to Moderate Disabilities	3
SED 260	Communication and Consultation in the Implementation of Special Education	3

Reading Courses Credits

(use the set appropriate for your area of specialization)

EITHER:

Elementary Education Set of Reading Courses:		
EDU 215	Developmental Process and the Acquisition of Reading Competency	3
EDU 220	Instruction of Reading Competency	3
EDU 225	Effective Assessment and the Teaching of Reading	3
EDU 230	Selection, Evaluation, and Utilization of Materials and Technology to Teach Reading OR	3
Secondary Education Set of Reading Courses		
EDU 235	Methods of Teaching Reading in Secondary Content Areas, Part I	3
EDU 240	Methods of Teaching Reading in Secondary Content Areas, Part II	3

SPECIAL EDUCATION ASSISTANT CERTIFICATE (M116)

Students in the Special Education Assistant Certificate Program, prepare for careers working with exceptional children in Baltimore City and area schools, hospitals, and clinics. Students acquire a foundation in human development, and become experienced in working with exceptional children in educational settings, providing practical fieldwork. Many students in the Early Childhood Education degree program also earn this Special Education certificate in order to expand their job opportunities.

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

Prerequisite Courses Credits

PRE 100	Preparation for Academic Achievement	1
ECE 111	Practices and Principles in Early Childhood Education	3
ENG 101	English Writing	3
CLT 100	Computer Literacy OR	
BUAD 112	Computers for Business Management	2-3
ECE 112	Child Growth and Development	3
ECE 117	Guiding Behavior in the Young Child	3
SED 220	Special Education: An Overview	3
SED 230	Curriculum and Elementary Methods of Instruction for Children with Mild to Moderate Disabilities	3
SED 223	Caring for Infants and Toddlers with Disabilities	3
SED 250	Student Practicum in Special Education	3
Program Total		29-30

TEACHER EDUCATION TRANSFER DEGREE TEACHER EDUCATION MATH/SCIENCE CONCENTRATION (M141)

This concentration is structured as preparation for those who expect to teach in the math and science areas. It is designed to address the transfer needs of students planning to attend a four-year college or university for Teacher Preparation, and who may not be eligible to complete the requirements of the A.A.T. degree. While this curriculum is designed to prepare students to pursue a bachelor's degree program at the college or university level, students are advised to check the requirements of the institution to which they intend to transfer.

Teacher Education Math/Science Concentration Associate of Science Degree in Teacher Education Transfer Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

INSTRUCTIONAL PROGRAMS

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
ENG 101	English Writing	3
MAT 113	Mathematical Concepts I	4
PSY 101	Introductory Psychology	3
PHSC 110	Physical Science	4
Total Semester Credits		15
2nd Semester		Credits
BIO 102	Principles of Biology	4
EDU 200	Introduction to Education	3
MAT 114	Mathematical Concepts II	4
PSY 201	Educational Psychology	3
SP 101	Fundamentals of Speech Communication	3
Total Semester Credits		17
3rd Semester		Credits
CHE 101	General Chemistry I OR	
PHSC 120	Contemporary Chemistry/Physical Science	4
ENG-Elective	Choose any ENG 200 Level English Course	3
SED 220	Special Education: An Overview	3
MAT 128	Precalculus I: College Algebra	4
Total Semester Credits		14
4th Semester		Credits
ART 106	Art in the Culture	3
GEO 102	Elements of Cultural Geography	3
SCI 100	Elements of Earth Science	3
HLF 201	Personal and Community Health	3
BUAD 112	Computers for Business Management	3
Total Semester Credits		15
Program Total		60

TEACHER EDUCATION TRANSFER DEGREE (M019)

The Teacher Education Transfer Program prepares students interested in transferring to a four-year college program. Students in this program begin training to become teachers, and have opportunities to explore the diverse world of education and ways to work effectively within it. This curriculum is designed for students who are interested in transferring to an Elementary Education program at a four-year college and who may not be eligible to complete the requirements of the A.A.T. degree. While this curriculum is designed to prepare students to pursue a bachelor's degree program at the college or university level, students are advised to check the requirements of the institution to which they intend to transfer. The program requires minimum grades of "C" in all courses.

Candidates for graduation in this program must pay for and take the ETS National Teacher Examination: PRAXIS I test before graduation. PRAXIS is offered several times during the year. Students should see their academic advisers or the program head for more information.

Teacher Education Transfer Associate of Arts Degree Program Suggested Sequence of Courses

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
BIO 102	Principles of Biology	4
ENG 101	English Writing	3
SP 101	Fundamentals of Speech Communication	3
EDU 200	Introduction to Education	3
HLF-Elective	Health and Life Fitness	1
Total Semester Credits		15
2nd Semester		Credits
PHSC 110	Physical Science	4
MAT 113	Mathematical Concepts I	4
PSY 101	Introductory Psychology	3
HLF-Elective	Health and Life Fitness	1
ENG 102	Introduction to the Term Paper and Research Methods	3
Total Semester Credits		15
3rd Semester		Credits
SOC 101	Introduction to Sociology	3
ENG 200	Introduction to Literature	3
SED 220	Special Education: An Overview	3
BUAD 112	Computers for Business Management	3
H 101	History of American Civilization	1
Total Semester Credits		15
4th Semester		Credits
H 102	History of American Civilization II	3
MAT 107	Modern Elementary Statistics	
ART 106	Art in the Culture OR	
MUS 103	Music Appreciation	3
PSY 201	Educational Psychology	3
EDU 215	Dev. Process and the Acquisition of Reading Competency	3
Total Semester Credits		15
Program Total		60

INSTRUCTIONAL PROGRAMS

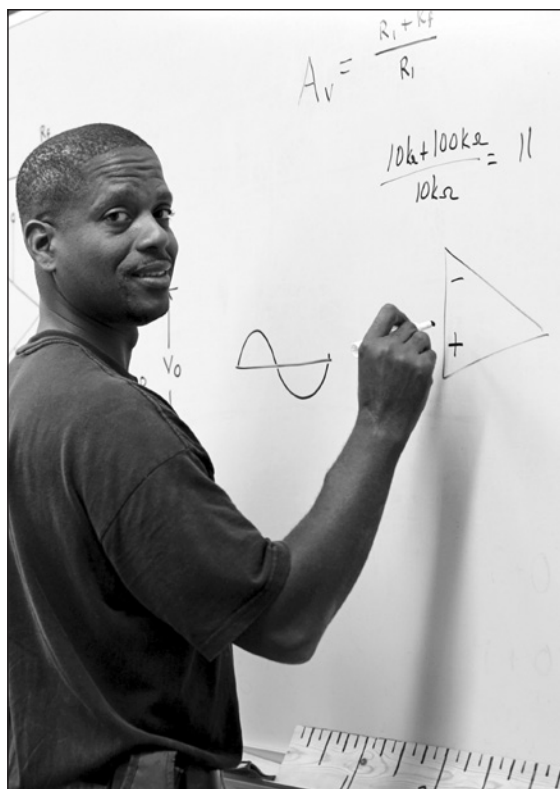
ELEMENTARY EDUCATION/GENERIC SPECIAL
EDUCATION PREK-12 (M256)
**Elementary Education/Generic Special Education
PreK-12**

**Associate of Arts in Teaching Degree Program
Suggested Sequence of Courses**

**** All BCCC students must meet the College's Computer Literacy requirements in order to receive a degree or a certificate. All first-time, full- and part-time degree and certificate seeking students are required to complete the PRE 100 course within the first six credits.**

1st Semester		Credits
PRE 100	Preparation for Academic Achievement	1
ENG 101	English Writing	3
BIO 102	Principles of Biology	4
PSY 101	Introduction to Psychology	3
SP 101	Fundamentals of Speech Communication	3
CLT 100	Computer Literacy	2
Total Semester Credits		16
2nd Semester		
GEO 102	Elements of Cultural Geography	3
EDU 200	Introduction to Education	3
SOC 101	Introduction to Sociology	3
PHSC 110	Physical Science	4
PSY 201	Educational Psychology	3
Total Semester Credits		16
3rd Semester		Credits
SED 220	Special Education: An Overview	3
ENG-Elective	Any 200-level ENG LIT course	3
MAT 113	Mathematical Concepts I	4
EDU 215	Developmental Process and the Acquisition of Reading Competency	3
HLF 210	Physical Fitness and Health	2
Total Semester Credits		15
4th Semester		Credits
EDU 291	AAT Fieldwork Training Experience	3
ART 106	Art in the Culture	3
SCI 100	Elements of Earth Science	3
MAT 115	Dynamic Geometry	4
Total Semester Credits		13
Program Total		60

INSTRUCTIONAL PROGRAMS



COURSE DESCRIPTIONS

COURSE DESCRIPTIONS

This section provides descriptions of every credit course offered at BCCC. The courses are listed alphabetically by name (not prefix) in the chart below and in the following pages.

Note: Many courses have prerequisites, which are courses or other requirements that must be satisfied before enrollment in a particular course or program. Some courses have corequisites, which are courses or other requirements that must be satisfied either before, or concurrently with, (in the same semester) enrollment in a particular course or program.

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COURSE DESCRIPTIONS

ACCOUNTING ACCT

ACCT 221: Principles of Financial Accounting I (3 credits)

45 lecture hours/15 lab hours

Prerequisite: MAT 81 or MAT 91 or satisfactory ACCUPLACER score

Equivalent to ACCT 201 or ACCT 211

Accounting is the language of business. Financial Accounting Principles and concepts define methodologies for accurately recording business transactions and presenting them in financial statements that explain the economic conditions of a business as a basis of decision making by both external stakeholders, including owners and creditors, and by managers within the organization.

ACCT 222: Principles of Financial Accounting II (3 credits)

45 lecture hours/15 lab hours

Prerequisite: ACCT 221

Equivalent to ACCT 212 or ACCT 202

Managerial Accounting is the analytical use of Financial Accounting Information. Covered in Principles of Accounting I, to make decisions to maximize the short and long term profitability and stability of an organization. This course provides comprehensive coverage of tools for making management decisions and the organizational structures that support them.

ACCT 230: Intermediate Accounting I (3 credits)

45 lecture hours

Prerequisite: ACCT 222, or ACCT 212, or ACCT 202

A comprehensive study of theory and concepts applied to financial accounting is provided. Emphasis is placed on the analysis of special problems that may arise in the valuation of current assets, current liabilities, plant and equipment, and intangible assets. Excel templates are used to solve a number of accounting problems.

ACCT 231: Intermediate Accounting II (3 credits)

45 lecture hours

Prerequisite: ACCT 230

Accounting theory and concepts applied to stockholders' equity, long-term liabilities, long-term investments, statements from incomplete records, and analysis of cash flows are emphasized. The course concludes with an analysis of financial statements. Excel templates are used to solve a number of accounting problems.

ACCT 235: Cost Accounting (3 credits)

45 lecture hours

Prerequisite: ACCT 222, or ACCT 212, or ACCT 202

The various cost accounting methods used in manufacturing and service enterprises are studied with special emphasis on the use of cost information in administration and control. Job order, process, and standard cost procedures are included along with some budgeting and direct costing. Excel templates are used to solve a number of cost problems.

ACCT 241: Auditing Concepts (3 credits)

45 lecture hours

Prerequisites: ACCT 230

This course is designed for students who are majoring in accounting and for non-accounting majors who have less than one year of auditing experience. It describes the philosophy of auditing and the environment in which the auditing professional operates. Students develop methods and skills that can be used to conduct audits. Special emphasis is on the Statement of Auditing Standards issued by the American Institute of Certified Public Accountants.

ACCT 261: Accounting Applications on the Microcomputer (3 credits)

45 lecture hours

Prerequisite: ACCT 222

Students are introduced to electronic spreadsheet concepts on Windows XP and work with commercial accounting software. ACCT 261 reinforces basic accounting principles. The hands-on approach is utilized to provide learning experiences with financial applications representing realistic business situations. Emphasis is placed on the extensive and increasing impact of the computer in financial and managerial accounting.

ACCT 265: Income Tax Accounting (3 credits)

45 lecture hours

Prerequisite: ACCT 221

Classes are held in the Accounting Computer Lab. The Federal Income Tax is studied with emphasis on the determination of taxable income and the computation of the tax liability of individuals and proprietorships. There is also some discussion of partnership and corporate tax law. Students will have hands-on exposure to tax accounting software.

ADDICTIONS COUNSELING ADC

ADC 106: Fundamentals of Chemical Dependency Treatment (3 credits)

45 contact hours

ADC 106 is a foundation course for all addiction counselors and other caregivers treating the substance dependent population. Drug use and the abuse spectrum, definition and perceptions, characteristics of addiction and dependency, patterns of use, disease model, and treatment modalities are reviewed.

ADC 108: Pharmacology of Chemical Dependency (3 credits)

45 contact hours

Students are assisted in learning the pharmacological actions and behavioral effects of alcohol, other sedative/hypnotics, narcotics, hallucinogens, and stimulants. Special focus is given to the classification of drugs, metabolism, drug interactions, behavioral pharmacology, tolerance, and medical emergencies.

COURSE DESCRIPTIONS

ADC 201: Chemical Dependency Counseling Skills (3 credits)

45 contact hours

Prerequisites: ADC 106 and ADC 108

Students are prepared to be addiction counselors, placing special emphasis on establishing and maintaining a therapeutic relationship that enables the client to abstain from substance use and abuse and achieve a healthy life. Training focuses on the skills of interviewing, active listening, confrontation, defense mechanisms, communications skills, transference, transitions in the counseling relationship, and increasing client responsibility.

ADC 202: Assessment and Treatment Planning with Chemically Dependent Clients (3 credits)

45 contact hours

Prerequisites: ADC 106; ADC 108

Students are prepared to begin developing the skills required to perform the core functions of screening, intake, orientation, assessment, and treatment planning. Areas covered include determining eligibility for service, diagnostic criteria, required documentation, orientation to program and client responsibilities, focused interviews, and treatment planning.

ADC 205: Clinical Fieldwork III Chemical Dependency

15 lecture hours; 90 fieldwork hours

This clinical fieldwork course gives the addition counseling student an opportunity to practice and apply the counseling skills and knowledge acquired via previous and current course work. Specific focus on the 12 core functions is stressed.

ALLIED HEALTH AH

AH 110: Medical Jurisprudence and Ethics (2 credits)

30 lecture hours

Prerequisites: None

AH 110 covers the legal and ethical aspects of health care delivery. Topics include confidentiality, records, medical evidence, release of information, malpractice, negligence, and licensure. Also discussed are development and application of professional ethics codes. Additional information covered in this course: Various medical practices and acts are read and studied. The practices of confidentiality and those of recording and releasing of information are covered in detail. Emphasis is also given to the court system and governing bodies. The roles of accrediting, approving, licensing and certifying agencies are also discussed. Emphasis is placed on ethical standards and the development of codes of ethics, its importance and application.

AH 130: Medical Terminology (3 credits)

45 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

Students become acquainted with the language of medicine including the elements of words: prefixes, suffixes, and roots; pronunciation of terms for each human body system; and other specialized areas of medical terminology. This course is also designed to teach medical terminology to those who have elected to pursue a career in the allied health field. Regardless of the specific area selected, medical language is the cornerstone of all other functions. The intent of this course is to develop the ability to recognize the language of medicine in the context in which it is used, as well as to recognize the language of medicine by sight.

AH 135: Allied Health Pharmacology (2 credits)

30 lecture hours

Prerequisite: AH 130, ENG 82 or RENG 92

Students learn trade, generic, and chemical names of medications, classes of medications, routes of administration, forms, and indications for giving medication, contraindications, drug interactions, and systems of measurement.

AH 230: Study of Disease Process (3 credits)

45 lecture hours

Prerequisites: AH 130; BIO 202

Study of Disease Process teaches students certain elements of human disease. The diseases are presented according to the organ and body system, manifestations and pathological processes, frequency and significance of diagnostic and therapeutic approach; multisystem diseases are also reviewed.

DNT 200: Nutrition for Health Sciences (3 credits)

45 lecture hours

Prerequisites: CHE 103 (or equivalent); or BIO 107, BIO 202, or BIO 203; or permission of instructor or concurrent with one of the above.

The chemical and biological aspects of food and nutrition, nutritional needs of the body, and application of nutritional principles for optimum health are emphasized. It is designed especially for students and health science professionals who have some background in physical and biological sciences. This course transfers to four-year institutions.

COURSE DESCRIPTIONS

ALLIED HUMAN SERVICES AHS

AHS 100: Introduction to Human Services (4 credits)

45 lecture hours; 45 fieldwork hours

This course is fundamental for students majoring in Human Services Certificate, Human Service Degree, and Addictions Counseling Certificate, Addictions Counseling Degree, and Social Work Degree. The focus is on concepts and strategies that have an impact on human, social, and mental problems. Core concepts, values, and generic approaches to helping people, groups, and community are examined.

AHS 101: Clinical/Fieldwork I: Human Services Individual Counseling (4 credits)

45 lecture hours; 45 clinical/fieldwork hours

Prerequisite: AHS 100

The characteristics of an effective helper from the viewpoints of the client and the helper are examined. Clinical/fieldwork gives the student first-hand experience with human services concerns and the realities of careers in human services.

AHS 102: Clinical/Fieldwork II: Human Services Group Counseling (5 credits)

45 lecture hours; 90 clinical/fieldwork hours

Prerequisite: AHS 101

Not only does AHS 102 extend the skills learned in AHS 101: Clinical/Fieldwork I, but also it explores many new techniques including group dynamics, assertiveness training, behavior modification, self-assessment, identifying resources, learning to work with other disciplines and departments, and goal reorientation.

AHS 103: Group Dynamics: Small Group Analysis (3 credits)

45 seminar hours

Students are given an opportunity to develop an understanding of group functions and interpersonal relations within the group. Techniques of role-play, psychodrama, sociodrama, and conflict management are practiced. During the lab experience, the group studies itself and puts communication and sensitivity skills to work. Information on the nature of small group—pressures and operations of group standards is included.

AHS 104: Activity Therapies (3 credits)

45 lecture hours; 15 lab hours

Prerequisites: AHS 101; AHS 103

Lab fee

Techniques and functions of recreational and occupational art, music, dance, and bibliotherapy are examined. The lab period provides practical experience in the various forms of therapy.

AHS 295: Professional Ethics in Human Services (3 credits)

45 lecture hours

Prerequisite: AHS 101

This course is a survey of the ethical, legal, and professional issues facing the human services worker. It is designed to teach the process of ethical decision-making as well as to increase awareness of the complexities of clinical practice. Special attention is given to the unique laws and ethical considerations of the chemical dependency counselor.

ART ART

ART 101: Beginning Drawing (3 credits)

15 lecture hours; 30 hours combined lecture and studio

Both representational and interpretive approaches are emphasized, while the importance of composition is stressed in projects involving still life, figure, and landscape themes. Among the media used are pencil, charcoal, pastel, and ink.

ART 102: Beginning Painting (3 credits)

15 lecture hours; 30 hours combined lecture and studio

This course encourages working from a variety of subjects both within the studio and outdoors. Instruction focuses on traditional painting techniques such as glazing, underpainting, and impasto. Special consideration is given to the development of skills affecting the successful use of design and color. Opportunities are provided for the student to explore various media such as pastels, acrylics, and oils.

ART 105: Fundamentals of Design (3 credits)

15 lecture hours; 30 hours combined lecture and studio

The basic elements and underlying principles of design vital to skilled work in the visual arts—including graphic design, painting, and fashion design—are introduced. Various media are employed in exploring line, color, texture, and shape, and the forces of balance, rhythm, and contrast. Projects are largely two-dimensional with opportunities for three-dimensional work.

ART 106: Art in the Culture (3 credits)

Meets Category I General Education Requirements

45 lecture hours

Prerequisite: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

Students are introduced to a cross-section of the visual arts in current Western culture including works created within the Baltimore and Maryland region. Consideration is given to artists working within and outside the ethnic and racial mainstreams of our time. A selection of two- and three-dimensional projects plays a key role in supporting the development of skills and the understanding of course material.

COURSE DESCRIPTIONS

ART 107: Basic Photography (3 credits)

15 lecture hours; 30 hours combined lecture and studio

Students must have a 35mm camera.

Lab fee

Beginners are introduced to both camera and basic darkroom techniques. Areas of involvement include camera operations, principles of exposure, film development, and printing. Lectures, demonstrations, and hands-on practice are designed to illustrate the technical aspects of photography. Other topics include film selection, choice of subject matter, composition, lighting, and portraiture. Lab hours are scheduled each semester.

ART 108: Intermediate Photography (3 credits)

15 lecture hours; 30 hours combined lecture and studio

Students must have a 35mm camera.

Prerequisite: ART 107

Lab fee

This course offers students an opportunity to refine and explore the techniques and ideas presented in ART 107. Emphasis is on enhancing darkroom skills and understanding relationships among exposure, film development, and the finished print. Students explore such methods and techniques as the zone system, solarization, multiple images, Kodalith, hand-coloring of prints, toning, and lighting for still photography. The course concludes with demonstrations on the selection of archival materials, mat cutting, and framing.

ART 111: Calligraphy (3 credits)

15 lecture hours; 30 hours combined lecture and studio

This course is for students who wish to develop skills in the art of beautiful writing. Emphasis is on pen-and-ink lettering experiences based on classic and contemporary calligraphic letter forms. Instruction covers principles of letter formation, penmanship, and the development of concepts related to the use of calligraphy in design and page composition.

ART 113: History of Art I (3 credits)

Meets Category I General Education Requirements

45 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

This course is the first of a two-semester sequence featuring slides, films, and printed materials for the study of developments in art from prehistoric times through the Middle Ages.

ART 114: History of Art II (3 credits)

Meets Category I General Education Requirements

45 lecture hours

Prerequisites: ART 113, ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

This course continues ART 113, tracing the development of art from the Renaissance to modern times. Major artists and art movements are examined, including a brief survey of contemporary trends and art contributions of selected African Americans and other minority groups.

ART 119: Anatomy and Life (3 credits)

15 lecture hours; 30 hours combined lecture and studio

The structure, rhythm, and proportions of the human figure are the focus of this introductory course. Drawing skills and anatomical knowledge are developed in the process of creating figure and portrait studies from a posed model. Opportunities are also provided for three-dimensional work.

ART 121: Arts and Crafts (3 credits)

15 lecture hours; 30 hours combined lecture and studio

A variety of materials to create artistic and functional objects is used in this course. Students explore creative possibilities with paper, wire, wood, leather, and other media.

ART 122: Introduction to African American Visual Arts (3 credits)

Meets Category I General Education Requirements

45 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

Students are introduced to African American arts and crafts from Colonial times to the present. The course briefly covers the evolution of the visual arts as a means of expression among this group of Americans, focusing on artistic form, functional application, and aesthetic merit. The impact of economic, political, and racial issues will be addressed as several influential forces that helped shape African American artistic creativity. Slides, lectures, discussion, gallery and museum visitations, written and appropriate art studio projects are all components of this course.

ART 125: Basic Jewelry (3 credits)

15 lecture hours; 30 hours combined lecture and studio

Students work with silver, brass, copper, and other metals to make rings, pendants, and bracelets including the design as well as the practical techniques of metalworking.

ART 130: Introduction to Computer Graphics (3 credits)

Prerequisites: ART 101 and/or ART 105 or permission of the instructor.

Study computer applications in art using PowerPoint, CorelDraw, and/or PageMaker.

ART 199: Individual Study in Art (3 credits)

See IS-Individual Study, p. 121.

ART 200: Intermediate Drawing (3 credits)

Prerequisite: ART 101

15 lecture hours; 30 hours studio

A wide range of topics, including shading, composition, perspective, color, and new directions in using media are explored. Individual approaches are encouraged in developing skills. Extended projects afford each student the opportunity to pursue goals and to establish a portfolio.

COURSE DESCRIPTIONS

ART 201: Advanced Drawing I (3 credits)

15 lecture hours; 30 hours combined lecture and studio

Prerequisites: ART 101 or permission of the instructor

Techniques in shading, perspective, and composition are explored. Both dry and wet media are employed in the development of creative portrayals of subjects ranging from animals and figures to landscapes and still life. Students are encouraged to pursue individual approaches with regard to their interests.

ART 202: Advanced Drawing II (3 credits)

15 lecture hours; 30 hours combined lecture and studio

Prerequisites: ART 101 and ART 201 or permission of the instructor

This course extends ART 201: Advanced Drawing I. It stresses the attainment of highly developed skills in media use, design, and rendering approaches. Students consult with the instructor in selecting short- and long-range projects related to individual goals. Portfolio development is an important consideration.

ART 205: Sculpture (3 credits)

15 lecture hours; 30 hours combined lecture and studio

This course follows-up ART 105's three-dimensional experience in both traditional and contemporary approaches. Modeling, carving, and constructing techniques are studied using ordinary materials such as clay, plaster, wood, tin, paper, and fiber.

ART 207: Basic Ceramics (3 credits)

15 lecture hours; 30 hours combined lecture and studio

The basic materials, techniques, and vocabulary associated with clay work are surveyed. Emphasis is placed on handbuilding with an introduction to the pottery wheel. Instruction includes lecture and demonstrations. Oxidation kiln firing is available.

ART 208: Basic/Intermediate Ceramics (3 credits)

15 lecture hours; 30 hours combined lecture and studio

This course continues basic ceramics but also introduces intermediate-level processes. Students are encouraged to demonstrate growth and self-direction in designing, creating, and decorating ware. Additional emphasis is placed on exploring nonfunctional clay products, loading and firing electric kilns, and formulating clay bodies and glazes.

ART 209: Printmaking (3 credits)

15 lecture hours; 30 hours combined lecture and studio

This course introduces basic approaches to printmaking, focusing on both the traditional and the contemporary. The techniques of woodcut, etching, collograph, and monoprint are explored. Guidelines are given for achieving good designs and careful workmanship.

ART 217: Advanced Painting (3 credits)

15 lecture hours; 30 hours combined lecture and studio

Prerequisite: ART 102 or permission of the instructor

Traditional and contemporary techniques of painting are explored within the framework of studying procedures of established artists. The use of acrylics, watercolors, and pastels are demonstrated, and students investigate these and other media as a means to develop their creative skills with respect to individual goals.

ART 225: Introduction to Film (3 credits)

Meets Category I General Education Requirements

45 lecture hours

Prerequisite: ENG 82 or RENG 92, appropriate course waivers or ACCUPLACER scores

The history of cinema from silent films to the present is reviewed. Movies—a combination of big business, cultural myth, and technical artistry—provide cogent insight into modern culture and its beliefs, values, and morals. This course explores that insight. Important films are viewed and then followed by oral or written activity.

BIOLOGY BIO

BIO 101: General Biology (3 credits)

Meets Category III General Education Requirements

45 lecture hours

Prerequisites: MAT 80 and ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

This introductory survey course covers the chemistry of life, cells, membrane transport, cellular respiration, and photosynthesis as well as major organ systems in humans. This course is intended for students who need a basic course prior to taking a higher-level biology course.

BIO 102: Principles of Biology (4 credits)

Meets Category III General Education Requirements

45 lecture hours; 45 hours laboratory work

Prerequisites: MAT 81 and ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

Lab fee

This is a competency-based one semester lecture/laboratory course covering the major principles of biology. Topics include biochemistry, cell biology, respiration, photosynthesis, genetics, evolution, ecology, reproduction, and energetics. Recommended for science and non-science majors who plan to transfer to four-year institutions and universities.

COURSE DESCRIPTIONS

BIO 103: General Botany (4 credits)

45 lecture hours; 45 lab hours

Prerequisites: MAT 80 and ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

Lab fee

The basic structure of plant life is explored with plant nomenclature studied early in the course, followed by a study of botanical terminology and the functions of each plant organ. In this survey of the plant kingdom, the evolution and ecology of plants and their place in the biosphere are studied. In addition to the conventional laboratory exercises, there are field excursions to observe Maryland's flora and their habitats.

Note: This course meets the educational needs of majors transferring science credits in physical or biological sciences.

BIO 107: Anatomy and Physiology (4 credits)

Meets Category III General Education Requirements

45 lecture hours; 45 lab hours

Prerequisites: MAT 81 and ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores; BIO 101 or BIO 102

Lab fee

A comprehensive study of the human body is provided from its biochemical and sub-cellular aspects through tissues, organ systems, and their integration. Skeletal, muscular, and nervous systems, including special sense organs, are studied. Circulatory, respiratory, digestive, urinary, and reproductive systems are considered. A survey of embryology and development is included. Specifics and principles of neuroendocrine control and reticulo-endotheliallymphatic defense and autoimmune mechanisms are interwoven. This course is designed primarily for students in allied health programs or desiring a four-credit transfer science elective.

BIO 202: Anatomy and Physiology I (4 credits)

Meets Category III General Education Requirements

45 lecture hours; 45 lab hours

Prerequisites: BIO 101 or BIO 102

Lab fee

This course provides a study of the structure and function of the human body. It covers in detail the human body from its biochemical and sub-cellular aspects through tissues. Special emphasis is on the integumentary, skeletal, muscular, nervous, and endocrine systems. The lecture and laboratory are correlated to provide an overview of the interrelationships of normal human anatomy and physiology.

Note: Students who are proficient in anatomy and physiology may take a Departmental Challenge Exam for course credit.

BIO 203: Anatomy and Physiology II (4 credits)

Meets Category III General Education Requirements

45 lecture hours; 45 lab hours

Prerequisites: BIO 202

Lab fee

This course provides a continuation of BIO 202 designed to provide up-to-date principles of the cardiovascular, lymphatic, respiratory, digestive, excretory (urinary), and reproductive (male and female) systems. Embryology, genetics, and immunology are included. A consideration of the effects of stress on normal anatomy and physiology is interwoven throughout the course.

BIO 199: Individual Study in Biology (4 credits)

See IS-Individual Study, p. 121. Contact the Biotechnology Program Coordinator.

Students interested in BIO 199 must see the Biotechnology Program Coordinator at BioPark, BIO 233D, 801 West Baltimore Street, 410-637-3805 before registering.

BIO 207: Genetics (4 credits)

45 lecture hours; 45 lab hours

Prerequisites: CHE 101 and BIO 203

Lab fee

The field of genetics is introduced and both classical and molecular topics are encompassed. The lecture and laboratory components stress analysis and problem solving and strive to develop the student's critical thinking abilities. Recent genetic technologies in molecular cloning are applied in the laboratory.

BIO 212: Microbiology (4 credits)

Meets Category III General Education Requirements

45 lecture hours; 45 lab hours

Prerequisite: 6-8 credits in biology and/or chemistry

Lab fee

This course includes topics in morphology, physiology, genetics, control, culture and identification of microorganisms along with a separate unit focusing on immunology. Emphasis is placed on the role of microorganisms in health and diseases.

COURSE DESCRIPTIONS

BIOTECHNOLOGY BTC

BTC 103: Special Topics in Biotechnology I (3 credits)

45 lecture hours

Students are introduced to the field of biotechnology with a preview of basic research and development techniques, laboratory safety, and career awareness. Lectures and guest speakers are used in this course.

BTC 104: Special Topics in Biotechnology II (3 credits)

45 lecture hours

Students are prepared for responsible positions in research laboratories focusing on biotechnology. Topics cover a wide range, such as the manipulation of DNA in several hosts and the application and impact of this technique on human lives.

BTC 105: Techniques of Instrumentation for Biotechnology (4 credits)

45 lecture hours; 45 field/lab hours

Prerequisites: ENG 101, MAT 91/MAT 87M or LSS 101, LSS 102

Lab fee

Students are introduced to instruments commonly used in biotechnology. Theoretical as well as practical experiences are included in the following areas: chromatography (PC, TLC, HPLC), electrophoresis, fluorescence, microscopy, tissue culture, PCR, and other specialized instruments. The students are also oriented to techniques that include maintenance, calibrations, and equipment logs.

BIOTECHNOLOGY LAB CERTIFICATE LSS

LSS 101: Laboratory Communication Skills (3 credits)

45 lecture hours

This course is designed to introduce students to proper laboratory management in correspondence using email, telephone and journal formats. Software applications, journal reading, writing, and presentations will be addressed. Journal papers will be assigned individually to address the area of concentration. Basic terminology used in biomedical labs will be introduced.

LSS 102: Laboratory Math, Computer Skills and Informatics (3 credits)

45 lecture hours

This course is designed to teach students how to (1) master mathematics for preparation of solutions and dilutions, and other science related procedures; (2) use Excel and computer network for laboratory applications; and (3) use search engines and biomedical research databases to locate subject specific information

LSS 103: Laboratory and Sterilization Management (3 credits)

45 lecture hours

This course is designed to teach students how to (1) perform day-to-day organization and management of biomedical laboratories; (2) apply proper Standard Operation Procedures (SOPs) and Good Laboratory Practices (GLPs) for upkeep of asepsis in biomedical laboratories and cleaning and sterilization of glassware; and (3) handle records and documentation in biomedical laboratories.

BUSINESS ADMINISTRATION BUAD

BUAD 100: Introduction to Business (3 credits)

45 lecture hours

Prerequisite: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

The purposes and functions of the main business disciplines are reviewed. Use of lectures, case studies, and/or computerized learning guides aid the student in developing an awareness of the relationships among business functions. The content aids in choosing a vocation, helps business majors select a field of concentration, and gives students a familiarity with business practices and terms.

BUAD 112: Computers for Business Management (3 credits)

45 lecture hours

Prerequisite: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

Passing this course with a "C" or better fulfills the College's Computer Literacy Requirement. An introduction to the use of desktop, stand-alone computers, and computer terminals for nonprofessional users is provided. The theory of operation and the history of computers are studied to the degree needed to understand operational procedures encountered in the workplace. Emphasis is placed on the use of applications programs rather than the writing of new programs. Both user-friendly, menu-driven programs and the more elaborate spreadsheet, PowerPoint, database, and word processing programs are actually operated by the student. This course is designed to make the average citizen computer literate.

BUAD 207: Business Law (3 credits)

45 lecture hours

Prerequisites: ENG 101 and sophomore standing (30 credits or more)

This course provides an introduction to law and the manner in which it regulates business activity. Topics include statutory and case law, legal rights, contracts, and sales.

COURSE DESCRIPTIONS

BUSINESS COMPUTER APPLICATIONS BCAP

Note: Software changes in BCAP courses will be made as new software becomes available and when new standards develop in business. Textbooks used have been approved by Microsoft as courseware for the Microsoft Office Specialist program where applicable.

BCAP 104: Introduction to Operating Systems: DOS/Windows (3 credits)

30 lecture hours; 30 lab hours

Lab fee

No previous experience is necessary. The ability to touch-type is recommended.

Passing this course with a "C" or better fulfills the College's Computer Literacy Requirement.

Students are introduced to the Disk Operating System (DOS), the Windows Operating Environment, and the UNIX Operating System. Students learn some of the most important topics of the MS-DOS Command line, including opening DOS sessions, displaying directories, working with files and using directories and subdirectories. The Windows features presented include working on the Windows desktop; file, document and folder management, Windows Explorer, modifying the desktop environment, customizing toolbars and folders, using the Help troubleshooter, customizing the computer using the Control Panel, searching for information with Internet Explorer, and setting up a computer to use offline files. Students also acquire an introduction to creating and manipulating directories and files using the UNIX Operating System.

BCAP 126: Comprehensive Spreadsheets (3 credits)

30 lecture hours; 30 lab hours

Prerequisite or corequisite: A working knowledge of personal computers and the ability to touch-type are recommended.

Lab fee

Students develop the skills necessary to plan, build, test, and document spreadsheets. The power of the Microsoft Excel features used for calculating, charting, and managing data is emphasized. Students learn advanced tasks such as analyzing "what if" alternatives, combining worksheet results, pasting worksheet solutions into other Windows applications, auditing, data validation, and solving complex problems. Case problems provide students opportunities to apply what they have learned to solve realistic business problems.

BCAP 136: Database Management Systems (3 credits)

30 lecture hours; 30 lab hours

Prerequisite: A working knowledge of personal computers and the ability to touch-type are recommended.

Lab fee

This course introduces the concept of managing a database using a current version of database software. It covers beginning through advanced database skills. Topics include maintaining and querying a database, designing forms and reports, filtering, and creating charts and PivotTable forms from databases. Additional features presented include creating custom toolbars and menus, using workgroup features such as database replication, and writing Visual Basic code. Students are introduced also to Web features emphasizing the seamless integration between data source and Web pages. The text used is approved by Microsoft as Courseware for the Access Expert level Microsoft Office Specialist Certification Examination. (Currently Using Microsoft Access 2000).

BCAP 155: Word Processing for Business Applications (3 credits)

30 lecture hours; 30 lab hours

Prerequisite or corequisite: The ability to touch-type is highly recommended.

Lab fee

Passing this course with a "C" or better fulfills the College's Computer Literacy Requirement. This course is designed to teach students how to use word processing software within a realistic business context. It offers "hands-on" instruction in the use of Microsoft Word, leading word processing software. The major features are presented and used in producing business documents. Features presented include character and paragraph formatting, creation of headers, footers, footnotes, and endnotes, and use of the speller, thesaurus, and grammar checker. Some of the additional features presented are indents, bullets, symbols, find and replace, revision marks, annotations, bookmarks, mail merges, envelopes, labels and printing techniques.

BCWB 252: Introduction to JavaScript (3 credits)

30 lecture hours/30 lab hours

Prerequisites: None

Lab Fee

This course introduces the users to the basic JavaScript programming concepts and the syntax to implement them. Users will have the tools and skills that provide a fundamental knowledge of scripting whether they continue to learn more about the Javascript language or go on to learn other scripting languages or object-oriented languages. Students will learn to create dynamic Web pages, instead of HTML documents which are static, in order to create visual effects such as animation, and to control the Web browser window itself.

COURSE DESCRIPTIONS

BCWB 260: Introduction to Web Page Design (3 credits)

30 lecture hours; 30 lab hours

Prerequisites: None

Lab Fee

This course introduces web page design using popular web design software such as Microsoft FrontPage. Students learn web page design in a What-You-See-Is-What-You-Get (WYSIWYG) environment. There is a case-based approach to web design as students build a functioning web site for a small business. Students are exposed to advanced webdesign concepts such as tables, frames, web themes, and form applications. An indirect objective of this course is to assist students and professionals to prepare to take the Microsoft Office Specialist test for Microsoft FrontPage.

BCWB 265: Web Site Design and Development for E-Commerce (3 credits)

30 lecture hours; 30 lab hours

Prerequisites: None

Lab Fee

This hands-on course introduces students to electronic commerce Web site design and development from a technology perspective. Through the use of a current version of Web design software and cutting-edge programming techniques, students will learn to plan and create custom electronic commerce Web sites. A wide array of skills needed to build and maintain successful E-Commerce Web sites are explored including Web site design competency and programming proficiency, the use of database management systems, and server configuration.

BCAP 270: Introduction to Help Desk Support (3 credits)

30 lecture hours; 30 lab hours

Prerequisites: BCAP 104

Lab Fee

This course is an introduction to the popular and evolving field of Help Desk Support. Students learn about technical as well as customer service issues related to help desk support. Topics covered include end user computing, computer user support, product evaluation strategies and standards, user needs analysis and assessment, installation of end user computer systems, training computer users, documentation for end users, computer facilities management, help desk operation, customer service skills for user support, troubleshooting computer problems, common support problems, and information resources for user support. Students are also introduced to leading help desk support software.

CHEMISTRY CHE

CHE 101: General Chemistry I (4 credits)

Meets Category III General Education Requirements

45 lecture hours; 45 lab hours

Prerequisites: MAT 82 and ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

Lab fee

The fundamental principles, laws, and theories of chemistry are introduced. Topics include the nature of chemistry, matter and thermochemistry, physical and chemical change, states of matter, measurement, heat and temperature, density, stoichiometry, inorganic nomenclature, atomic structure, historical development of the atom, the periodic table, and gases.

Note: Students without high school chemistry are urged to take CHE 103 before attempting this course. Placement tests are available to assess the skills of prospective students.

CHE 102: General Chemistry II (4 credits)

45 lecture hours; 45 lab hours

Prerequisite: CHE 101 or equivalent

Lab fee

This course is a continuation of CHE 101: General Chemistry I for those students whose programs require a full year of general inorganic chemistry. Topics covered are nuclear chemistry, thermodynamics, electrochemistry, chemical bonding, solutions, reaction kinetics, equilibria, acids and bases, ionic equilibria, qualitative inorganic analysis, and an introduction to organic chemistry.

CHE 103: Allied Health Chemistry (4 credits)

45 lecture hours; 45 lab hours

Prerequisites: satisfactory score on mathematics placement test or successful completion of MAT 81 and ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

Lab fee

The basic concepts of inorganic, organic, and elementary biochemistry are examined. This course is recommended for those students who have never studied chemistry in high school, are under-prepared and wish to enter an allied health program, or are planning eventually to pursue a scientifically oriented career requiring the more rigorous CHE 101-102 sequence.

Note: Students who are proficient in Chemistry may take the Chemistry Placement Test for course credit.

CHE 105: Introduction to Biochemistry (3 credits)

45 lecture hours

Prerequisite: MAT 82 or MAT 92; ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

The basics of organic chemistry and biochemistry are surveyed. Topics include the nature of organic compounds, functional groups, carbohydrates, lipids, proteins, enzymes, vitamins, hormones, drugs, and nucleic acids. This course is primarily for students enrolled in the Dental Hygiene Program but is open to others. This course does not have a laboratory component.

CHE 199: Individual Study in Chemistry

See IS-Individual Study, p. 121.

CHE 213: Organic Chemistry I (4 credits)

45 lecture hours; 45 lab hours

Prerequisite: CHE 101; CHE 102 recommended

Lab fee

A formal study of carbon compounds is presented with emphasis placed on the correlation of structure and chemical reactivity. This course is the first of a two-semester sequence in organic chemistry normally taken by pre-medical, biotechnology, physician assistant, nursing, pre-pharmacy, biology, biochemistry or chemistry, pre-dental, and prechemical engineering majors. Topics normally treated during the first semester are a review of general chemistry, bonding, and Lewis structures. The first semester of Organic Chemistry starts with a review of fundamentals of General Chemistry leading to topics in Organic Chemistry such as alkane, alkene, alkynes and amines.

CHE 214: Organic Chemistry II (4 credits)

45 lecture hours; 45 lab hours

Prerequisite: CHE 213 or equivalent

Lab fee

This course continues CHE 213: Organic Chemistry I. It involves further study of the structure and reactivity of organic compounds. This course is the second of a two-semester sequence in organic chemistry for some biotechnology, premedical, pre-pharmacy, pre-dental, biology, chemistry, biochemistry, pre-chemical engineering students, etc. Topics normally treated during the second semester are stereochemistry, optical activity, alcohols, carboxylic acids and their derivatives, organic nitrogen compounds, aromatic chemistry, organic synthesis, and the qualitative identification of unknowns. Techniques learned during the first semester are put to practical use during the second semester.

COMPUTER-AIDED DRAFTING AND DESIGN CADD

CADD 101: Introduction to CADD (3 credits)

30 lecture hours; 30 lab hours

Prerequisite: Permission of the Computer-Aided Drafting and Design Programs Coordinator

Passing this course with a C or better fulfills the College's Computer Literacy Requirement.

This beginner's CADD course exposes students to basic computer-aided drafting and design skills. Topics include manufacturing processes, engineering design processes, freehand sketching, descriptive geometry, and AutoCAD software. Emphasis is on the use of drawing tools to construct simple two-dimensional objects typically found in mechanical, electrical, and civil engineering and in architecture.

CADD 105: Intermediate CADD (3 credits)

30 lecture hours/30 lab hours

Prerequisites: CADD101 or permission of CADD program coordinator.

Lab fee

This intermediate CADD course is intended for students who have completed the CADD 101 course or have substantial practical experience in two-dimensional CADD. Topics include three-dimensional CADD applications, the AutoCAD design center, external references, assigning attributes and generating bill of materials, isometric drawing, and dimension styles. The course uses the current AutoCAD software and commands to create architectural, civil, and mechanical drawings.

CADD 111: CADD Applications (3 credits)

30 lecture hours; 30 lab hours

Prerequisites: Permission of the Computer-Aided Drafting and Design Programs Coordinator

Lab fee

This introductory CADD course is a survey of CADD applications. It introduces students to MicroStation software and commands using digitizing and scanning to create mechanical, electronic, architectural, and civil drawings.

CADD 112: CADD Architectural Applications I (3 credits)

30 lecture hours; 30 lab hours

Prerequisite: CADD 101

Lab fee

This intermediate CADD course is a survey of architectural-related CADD applications. It continues the use of AutoCAD software and commands to create architectural, facility management, and civil drawings.

CADD 140: CADD 3D Modeling (3 credits)

30 lecture hours; 30 lab hours

Prerequisites: CADD 101 or permission of CADD program Coordinator

Lab fee

This advanced CADD course is designed to provide the student with three-dimensional (3D) CADD techniques and applications to increase productivity in the creation and editing of 3D models. Topics include 3D coordinate systems, wire frame modeling, surface modeling, solid modeling, rendering, 3D primitive solids, and plotting 3D models.

COURSE DESCRIPTIONS

CADD 151: Technical Graphics (3 credits)

30 lecture hours; 30 lab hours

Prerequisite: CADD 101

Lab fee

Technical Graphics is an introductory course in the use of computers to produce presentations for business, engineering, architectural, technical, and sales. Topics include 3D modeling, animation, rendering, ray tracing, texture mapping, and lighting. Post-production techniques to store and present results are included. The 3D Studio Max software is used for this course.

CADD 200: Geographic Information Systems Applications (3 credits)

30 lecture hours/30 lab hours

Prerequisites: CADD 101 or CADD 111

Lab fee

This course is designed to expose students to the Geographic Information Systems (GIS) applications, concepts, and principles. It uses the ArcView GIS software for visualizing, analyzing, creating, and managing data with a geographic component. Applications of GIS methodologies in real world problems from various disciplines will also be presented.

CADD 205: CADD Engineering Drawing I (3 credits)

30 lecture hours; 30 lab hours

Prerequisite: CADD 101

Lab fee

This intermediate-level CADD course emphasizes the fundamentals of technical or engineering drawing using AutoCAD software. Topics include 2D constructions, orthographic projection, drawing sectional and auxiliary views, and dimensioning. Applications are made to mechanical, civil, and electrical engineering and to commercial art and architecture.

CADD 206: CADD Engineering Drawing II (3 credits)

30 lecture hours; 30 lab hours

Prerequisite: CADD 101

Lab fee

This course continues the fundamentals of technical or engineering drawing using AutoCAD software. Topics include coordinate and geometric tolerances, threads and fasteners, working drawings, gears, bearings, cam development, and descriptive geometry.

CADD 208: CADD Mechanical Applications (3 credits)

30 lecture hours; 30 lab hours

Prerequisite: CADD 105 or permission of CADD Program Coordinator

Lab fee

This advanced CADD course introduces some of the advanced features of the Mechanical Desktop software. Topics include 3D coordinate systems, surface modeling, solid modeling, rendering, viewing, manipulating 3D objects, dimensioning, and design in 3D.

CADD 211: CADD Civil Applications (3 credits)

30 lecture hours/30 lab hours

Prerequisites: CADD 101 or CADD 111

Lab fee

This advanced course explores CADD civil engineering, surveying and land development applications. To increase productivity in designing civil engineering structures the software package from MicroStation and / or AutoDesk's civil design package is used for the course. Topics include structure design, earthwork quantities, design of roads, drainage, bridges, water mains, and cost estimation.

CADD 222: CADD Architectural Applications II (3 credits)

30 lecture hours/30 lab hours

Prerequisites: CADD 112 or permission of CADD Program Coordinator.

Lab fee

This advanced course is a survey of architectural-related CADD applications. The course is designed to aid the architect, designer, and drafter through all phases of construction document creation. It uses Autodesk revit and / or architectural desktop software and commands to create architectural drawings, models and facility management.

COMPUTER INFORMATION SYSTEMS CISS

CISS 105: Introduction to UNIX: The Operating System (3 credits)

This is a dual offering with CSC 105.

30 lecture hours; 30 lab hours

Prerequisite: completion of all required developmental courses

Corequisite: ENG 101

Lab fee

A basic overview of the UNIX operating system is provided. Topics include file managing, text file utilities, text-editing with Vi and EMACS, shell programming, ways to communicate including electronic mail, and various UNIX utilities.

CISS 109: Principles of Computer Information Systems (3 credits)

30 lecture hours; 30 lab hours

Prerequisite: completion of all required developmental courses

Passing this course with a "C" or better fulfills the College's Computer Literacy Requirement.

Students are introduced to the world of computers. Concepts related to interaction with computers, fundamental hardware, software, communication concepts, and going on-line are examined. The course provides exercises and lab assignments that allow students to interact with a computer and actually learn by using the computer and the World Wide Web.

COURSE DESCRIPTIONS

CISS 116: Structured Design (3 credits)

30 lecture hours; 30 lab hours

Prerequisite: completion of all required developmental courses

Problem-solving skills using structured programming concepts are introduced and/or enhanced. Upon completion of the course, students are able to systematically analyze computer problems of any complexity through many methods, including pseudo-code, data-flow diagrams, flow charts, algorithms, and walk-through. Students are exposed to software tools that enhance understanding in any problem-solving situation.

CISS 118: Programming with VISUAL BASIC (3 credits)

30 lecture hours; 30 lab hours

Prerequisites: completion of all required developmental courses, CISS 116

Lab fee

VISUAL BASIC is an object-oriented, event-driven programming language designed to provide students with an interactive approach to programming that fully exploits the graphical user interface mode. Students are able to create their own graphical user interface applications and the codes to control the graphics for the application.

CISS 119: Advanced VISUAL BASIC Programming (3 Credits)

30 lecture hours; 30 lab hours

Prerequisites: CISS 118

Lab fee

The course is a continuation of CISS 118 and develops additional programming skills in Visual Basic. Students learn to develop programming applications that include such advanced Visual Basic topics as sequential and random file access techniques, error handling, debugging techniques, graphics, multi-media, programming for Internet applications and techniques for distributing applications. Lab exercises include hands-on experiences.

CISS 201: Systems Analysis and Design for Programmers (3 credits)

45 lecture hours

Prerequisites: CISS 109 and competence in a programming language

Programmers are given an overview of the role of the analyst in the development of an entire system and on-the-project team. Topics include use of system flow charts, decision tables, and process flow charts to promote standards for documentation. Techniques for project management used by the analyst are included along with CASE tools.

CISS 228: Object-Oriented Programming for Business Applications in C++ (3 credits)

30 lecture hours; 30 lab hours

Prerequisites: CISS 116 and BCAP 104

Lab fee

This course builds from the students' knowledge of structured procedural programming, introducing Object-Oriented programming and applying it to business. Topics include string-oriented output, data design, data types, structures, class inheritance, objects, dynamic variables, linked lists, stacks, queues, and trees.

CISS 231: JAVA Programming for Business Applications (3 credits)

30 lecture hours; 30 lab hours

Prerequisites: CISS 116; permission of the Computer Information Systems program head

Lab fee

Students learn how to use JAVA to run applications over Wide Area Networks and animation in JAVA to make web pages more alive. Using JAVA, users deliver distributed object-oriented applications to many web users. Students are able to dynamically download programs from web servers and execute applets within a JAVA-enabled web browser.

ITNT 235: Networking with TCP/IP (3 credits)

45 lecture hours

Prerequisite: None

Students are introduced to computer communications protocols. Principles such as architecture, layering, multiplexing, address mapping, and routing are discussed along with such topics as Internet protocols and subnet and supernet extensions. This course prepares students for the professional world of computer communications.

ITDB 241: Database Programming (3 credits)

30 lecture hours; 30 lab hours

Prerequisites: BCAP 136

Lab fee

This course explores customizing database systems to meet the needs of business and industry. Students learn how to design, implement, and write application programs. The course teaches students to perform common file processing operations such as searching; sorting; indexing and merging; and file updating operations such as additions, deletions, and changes on existing stored data. Current database versions are used in instruction.

COURSE DESCRIPTIONS

ITDB 244: SQL Server Solutions (3 credits)

30 lecture hours; 30 lab hours

Lab fee

ITDB 244 offers database programmers sophisticated relational tools. The administrative capabilities of SQL Servers such as replications, declarative referential integrity (DRI), and distributed transactions are covered. The details of the object model and how applications interact with OLE Automation objects in general are discussed.

ITDB 246: Oracle Database Administration (3 credits)

30 lecture hours; 30 lab hours

Prerequisites: BCAP 136

Lab fee

This course draws upon the students' knowledge of basic database concepts and expands to include working with multi-user platforms such as Oracle. Students will learn how to build a database, enforce integrity, and improve performance with conceptual modeling techniques used in database systems. The basics of database design, SQL, and PL/SQL will be introduced as well as the concepts of cursors, subprograms, and triggers.

ITDB 247: Oracle Database Developer and Programming (3 credits)

30 lecture hours; 30 lab hours

Prerequisite: ITDB 246

Lab fee

This course discusses techniques used in implementing database management systems and introduces students to DBMS systems architectures, which includes centralized and client-server architectures. Students learn how to create Oracle Forms using blocks, graphics, and GUI objects; maintain data security; use DBMS development applications to customize the database through programming to optimize system resources; and improve user response time.

ITSA 245: Cybersecurity Implementation (3 credits)

45 Lecture Hours

Prerequisites: CISS 109, ITSA 125, ITSA 233

This course teaches students how to develop an overall security program necessary to protect data and secure mobile users as information migrates from mainframe computers and application servers to Web-enabled applications. It covers computing, communications, all social networking; and presents methods to secure systems against the risks, threats, and vulnerability associated with Web-enabled applications accessibility through the Internet.

ITSA 255: Information Systems Security (3 credits)

45 lecture hours

Prerequisite: CISS 109 or permission of instructor

Systems administrators are provided with knowledge of the approaches intruders use to gain access to the system. Concepts of vulnerability of the system exploited by the intruder through threats of interruption, interception, modification, and fabrication are discussed. The use of firewalls and other preventive approaches to the security of a UNIX-based network environment are examined in detail.

ITNT 265: Windows Systems Administration (3 credits)

30 lecture hours; 30 lab hours

Prerequisites: CISS 109

Lab fee

Windows Network Operating Systems is one of the most dynamic and popular network operating systems on which to build the services that are essential to today's business. As a result, there is significant and growing demand for people with Windows systems server expertise. The primary aim of the ITNT 265 course is to help a student become a network or server manager who is able to install and manage any Windows systems server product on a local area network. A second purpose of this course is to help prepare those interested in Microsoft certification exams.

COMPUTER LITERACY CLT

CLT 100: Computer Literacy (2 credits)

30 lecture hours

Lab fee

Passing this course with a "C" or better fulfills the College's Computer Literacy Requirement.

This hands-on course is recommended for students who need assistance in meeting the College's Computer Literacy Graduation Requirement. Students develop basic computer skills in Windows-based operating systems, word processing, spreadsheet, database management, and presentation graphics.

COMPUTER SCIENCE CSC

CSC 108: Programming in C (3 credits)

This course is a dual offering with CISS 108.

30 lecture hours; 30 lab hours

Prerequisites: ENG 82 (for ESL: ELI 82W) or RENG 92; MAT 125 or MAT 128; CISS 116; CSC 105

Lab fee

Passing this course with a "C" or better fulfills the College's Computer Literacy Requirement.

Step-by-step explanations of how to write, compile, and execute C programs and how to write applications on the computer are provided. Emphasis is on the portability of the language and systematic development of programs.

CONSTRUCTION SUPERVISION CON

CON 101: Introduction to Construction (3 credits)

45 lecture hours

Prerequisite: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

Corequisites: CON 104; CON 107; ENG 101

This course explores the properties of various materials used in construction such as wood, steel, brick, concrete, plastic, glass, soils, and other materials. It also explores the relationships and roles of the participants in the construction process, from architect to subcontractor. The effect of construction management on manpower, equipment, material, time, and money is covered. Also presented are the role of computer software in the construction industry and an overview of construction equipment and machinery.

CON 104: Construction Methods and Materials (3 credits)

30 lecture hours; 15 lab hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

Corequisites: CON 101; CON 107; ENG 101 The class reviews commonly used materials in the construction industry, how they are typically installed, and common mistakes. Students also study and analyze work methods, materials, equipment, safety methods, and tools used on commercial and residential construction projects. The lab portion of the class uses a hands-on approach to test some of the materials discussed.

CON 107: Blueprint Reading (3 credits)

45 lecture hours

Prerequisites: ENG 82 or RENG 92 or ACCUPLACER scores

Corequisites: CON 101; CON 104; ENG 101

This course is an introduction to architectural planning and blueprint reading in commercial and residential construction. The class covers basic concepts such as reading and using different types of scales, symbols, and lines. Students analyze blueprints of electrical, structural, site work, foundation, and piping, and discuss the meaning of the details. The class also reviews several types of specification and contract documents.

CON 111: Occupational Safety and Loss Prevention (3 credits)

45 lecture hours

Prerequisites: CON 101; CON 104; CON 107

This is a study and evaluation of OSHA and MOSH standards and regulations as they relate to the construction industry. Safety requirements of various construction operations will be analyzed and discussed. Students learn the principles of safety management, accident prevention, and safety program development methods. Students discuss environmental regulations and the implementation of compliance procedures. Topics included are job site safety, OSHA and MOSH safety regulations, MDE environmental regulations, sediment and erosion control, storm water management, oil spillage control, hazardous materials, and waste management.

CON 210: Construction Estimating (3 credits)

45 lecture hours

Prerequisites: CON 101; CON 104; CON 107; ENG 101; MAT 128

This course analyzes and determines costs of construction operations. It introduces the estimating process for light and heavy construction, including the major components of labor, materials, equipment, overhead, and profit. Different scenarios enable the students to learn various construction processes. A logistical review of project organization explores the different phases and sequencing of the construction process. A final project tests the student's ability to develop an estimate from general guidelines and detail drawings.

CON 215: Computer Applications for Construction (1 credit)

30 lab hours

Lab Fee

Prerequisites: BUAD 112; CON 210

This course provides an overview of computer systems and software used in the construction industry. Spreadsheet software, database management, construction take-off, estimating, cost control, and scheduling programs are explained and explored in a lab setting. Students are required to run software tutorials, complete class projects and develop estimating and cost control spreadsheet programs.

CON 222: Scheduling, Planning, and Cost Control (3 credits)

45 lecture hours

Prerequisite: CON 210

This course studies the application of planning and scheduling techniques of commercial and residential construction projects. Use of charts and critical path method (CPM) are emphasized as well as cost allocation, resource leveling, scheduling and scheduling updating, and computer application. Examples of these processes are applied to workplace scenarios.

COURSE DESCRIPTIONS

CON 224: Construction Contracts and Documents (3 credits)

45 lecture hours

Prerequisite: CON 210

This course focuses on the contracting process for the construction industry. Emphasis is on documents involved, from invitation to bid to final punch list. Students closely examine the specifications for projects using general and special condition examples. It also examines construction law in regards to building, bidding process, and contracts.

CON 250: Construction Internship (3 credits)

150 work experience hours

Prerequisite: Permission from the Construction Supervision program head

This course enables students to acquire hands-on work experience as interns with contractors in the construction industry. Students apply what they have learned over the past semesters under the guidance of an experienced construction supervisor. The internship sponsor and the program head evaluate each student's performance at the conclusion of the apprenticeship. Students with three or more years of documented experience may receive credit under this course listing. Verification will be obtained by the College before credit is given.

COOPERATIVE EDUCATION COP

COP 100: Cooperative Education (1 credit)

Prerequisites: 2.0 G.P.A.; completion of 15 credits; completion of specific courses in the student's program; permission of the student's program head and the Co-Op Coordinator

Students are provided with the opportunity to apply knowledge in a supervised work environment related to their academic programs or career interests. One hundred hours of paid work and 15 classroom hours are required.

COP 200: Cooperative Education (3 credits)

Prerequisites: 2.0 G.P.A.; completion of 15 credits; completion of specific courses in the student's program; permission of the student's program head and the Co-Op Coordinator

Students have the opportunity to apply knowledge in a supervised work environment related to their academic programs or career interests. Three hundred hours of paid work and 16 classroom hours are required. Career exploration and work readiness skills are covered in the classroom.

CRIMINAL JUSTICE CRJ

CRJ 101: Introduction to Criminal Justice (3 credits)

45 lecture hours

Students are given an overview of the field of criminal justice in the context of our social, cultural, political, and economic system. The course introduces students to the history of and social response to crime. It examines the origins of and fundamental concepts associated with law enforcement and corrections. The structure and functions of State and Federal courts are reviewed and current issues in criminal justice are explored. CRJ 101 provides law enforcement and correctional administration students a solid foundation for future coursework, research, and practice in the field. It is an excellent opportunity for interested students in other fields of study to familiarize themselves with the criminal justice system and its far-ranging impact on society.

CRJ 102: Report Writing for Criminal Justice Personnel (3 credits)

45 lecture hours

Criminal justice students are introduced to the various forms and reports they will encounter on the job. Emphasis is placed on thinking and writing clearly as well as on content and structure; computerized forms are introduced.

CRJ 104: Fundamentals of Law Enforcement (3 credits)

45 lecture hours

This course is the initial professional development course required of law enforcement students. It begins with a discussion of the history and philosophy of public policing and the scope and function of the police. Police organization, operations, functional roles, professionalism, discretion, use of force, and ethical issues are examined in detail. The changing roles and career paths of the law enforcement officer are addressed.

CRJ 105: Introduction to Private Security (3 credits)

45 lecture hours

Students are introduced to the fundamental principles and concepts of private security. Subject matter is drawn from a variety of disciplines including but not limited to criminal law and procedure, civil liability, customer service and human relations, professional ethics, basic security patrol, investigative techniques, and report writing.

CRJ 106: Fundamentals of Corrections (3 credits)

45 lecture hours

Correctional administration students are introduced to corrections and correctional administration including the history of incarceration, early forms of punishment, and theories of sentencing and rehabilitation. Correctional organization, operations, community corrections, professional and ethical issues, and inmate management are discussed.

COURSE DESCRIPTIONS

CRJ 107: Institutional Treatment of Offenders (3 credits)

45 lecture hours

The growth and development of U.S. correctional institutions are explored in relation to theories of institutionalization of offenders. Inmate management and rehabilitation programs are examined in detail. Functions of personnel, research and evaluation methodologies, and prediction tables are covered.

CRJ 108: Juvenile Delinquency (3 credits)

45 lecture hours

This course introduces students to the origins of juvenile law and procedures and subsequent changes to those processes. It identifies key court decisions illustrating the current Maryland Juvenile Court process and the general handling of juveniles within the juvenile justice system.

CRJ 115: People's Law (3 credits)

45 lecture hours

This course reviews and explains what everyone needs to know about the law from a practical perspective. Team-taught by the Criminal Justice/Public Safety and Legal Assistant program heads and faculty, the course addresses criminal and juvenile procedures, consumer law, family law, housing law, employment law, and many special interest issues. Basic trial preparation and presentation of a small claim are examined, and students are encouraged to present a small claim of their own. Guest experts are featured.

CRJ 201: Management Concepts (3 credits)

45 lecture hours

An overview is presented of the principles, theories, functions, and concepts of management as they relate to law enforcement and public safety agencies. Emphasis is on the development of management thought, rational, natural and open systems theory; the distinction between leadership and management, group dynamics and teamwork, influence processes and power, and the fundamentals of human resource management.

CRJ 202: Organizational Dynamics (3 credits)

45 lecture hours

This course is usually taken in sequence with and immediately following CRJ 201. Together, these courses provide students with an in-depth examination of frequently encountered management and organizational issues and provide a solid theoretical foundation for further study and/or practice. Organizational dynamics address issues of decision-making; problem-solving; strategic, operational and tactical planning; community policing; critical topics in operations; human resource management; training; and organizational culture and change.

CRJ 209: Probation and Parole (3 credits)

45 lecture hours

The history and theories of probation and parole including the organization, policies, procedures, and practices of Federal, State, and local parole and probation systems are addressed. Emphasis is placed on trends in the distribution and delivery of correctional services in the community.

CRJ 210: Investigative Principles and Concepts (3 credits)

45 lecture hours

Students are introduced to criminal investigation: basic investigative techniques, preliminary investigation, crime scene protection and search, collection of physical evidence, documentary evidence, interviews and interrogations, and operations such as raids and undercover work.

CRJ 211: Criminal Procedural Law (3 credits)

45 lecture hours

Prerequisite: CRJ 101

Students are introduced to basic individual rights protected under the United States Constitution and the relationships among these rights, maintenance of public order, and enforcement of Federal and State criminal laws. This course gives an overview of the criminal court system and explores the exclusionary rule, privacy, probable cause, and reasonable suspicion. A significant portion of the course deals with rights guaranteed by the Fourth, Fifth, and Sixth Amendments and how these rights affect the prevention, detection, investigation, and prosecution of crime. Students focus upon the laws of arrest, search and seizure, confession, and pretrial identification.

CRJ 213: Criminal Substantive Law (3 credits)

45 lecture hours

Prerequisite: CRJ 101

Students are introduced to the origins, sources, and structure of criminal substantive law. The course focuses on the various elements and sub-elements of proof for common law and statutory crimes against persons, property, and the public peace. Maryland law is covered in depth. Current issues in criminal law including, but not limited to, recent trends in the criminal justice system, defenses of crime, sentencing, and substance abuse are discussed. Evidence in criminal cases and case preparation are also addressed.

COURSE DESCRIPTIONS

CRJ 214: Practical Law for Correctional Personnel (3 credits)

45 lecture hours

Prerequisite: CRJ 106

This course is a practical law course for correctional officers, staff, and administrators. It focuses on civil liability; inmate rights; grievance procedures; inmate litigation; provision of legal services to inmates; administrative process and procedures; and protection of the institution, administrator, and worker from the errors, excesses, and abuses that may arise in a correctional setting.

CRJ 220: Criminalistics (3 credits)

45 lecture hours

Prerequisite: CRJ 210

This course focuses on physical and trace evidence, careful crime scene processing, collection, preservation, and analysis of physical evidence. Methods for analyzing soil, tire and tool marks, paints, broken glass, blood, body fluids, and fingerprints are examined. DNA testing and other forensic investigative and advanced techniques are explored.

CRJ 231: Community Policing I (3 credits)

45 lecture hours

The law enforcement professional is introduced to the theory and practice of community policing in the U.S. and overseas. The history, philosophy, programs, and techniques of community policing are addressed in detail. The interaction between the community and the law enforcement officer is explored at the individual, group, and organizational levels. Diversity issues are examined in depth.

CRJ 291: Juvenile Services Fieldwork (3 credits)

Prerequisites: *sophomore status (30 credits or more); minimum 2.5 GPA; permission of the Criminal Justice/Public Safety Programs Coordinator*

Corequisite: CRJ 292

The non-practitioner student is provided with field placement in a juvenile justice or related agency. Assignments include observation of agency and staff functions, staff-client interaction, observing and recording data, and analysis of the agency. A weekly seminar supplements fieldwork.

CRJ 292: Fieldwork in Administration of Justice and Public Safety (3-4 credits)

Prerequisites: CRJ 291

This course is for non-practitioner students, who are assigned to an agency by the academic adviser and the fieldwork coordinator. Assignments include observation of agency and staff functions, staff-client interaction, observing and recording data, and analysis of the agency. A weekly seminar supplements fieldwork.

CYBER SECURITY AND ASSURANCE ITSA

ITNT 235: Networking with TCP/IP (3 credits)

Students are introduced to computer communications protocols. Principles such as architecture, layering, multiplexing, address mapping, and routing are discussed along with such topics as internet protocols and subnet and super-net extensions. This course prepares students for the professional world of computer communications.

ITSA 125: Security Fundamentals, Principles and Ethics (3 credits)

Security Fundamentals, Principles and Ethics provides a broad view of the entire field of information security with a structured methodology that can be used to implement information security in an organization that has little or no formal information security procedure in place; a study of ethics and moral philosophy as a means for providing a framework for ethically grounded decision making in the information age.

ITSA 233: Ethical Hacking (3 credits)

Ethical Hacking engages students in an interactive environment where they will learn how to scan, test, hack and secure information systems. Students will gain practical experience with essential security systems with a plethora of offensive security topics ranging from how perimeter defenses work to scanning and attacking simulated network. A wide variety of tools, viruses, and malware is presented, providing a complete understanding of tactics and tools used by hackers.

ITSA 242: Computers Forensic and Investigation (3 credits)

Computer Forensics and Investigation provides the knowledge of a "digital detective" in the investigative and evidence-gathering protocols related to computer crimes in hardware and software systems. The course covers the required knowledge, skills, and experience to acquire digital evidence, conduct complex and data-intensive forensic examinations involving multiple computer operating systems and file types to reporting findings.

ITSA 245: Cyber Security Implementation (3 credits)

Cyber Security Implementation teaches students how to develop an overall security program necessary to protect data and secure mobile users as information migrates from mainframe computers and application servers to Web-enabled applications. It covers computing, communications, and social networking; and presents methods to secure systems against the risks, threats, and vulnerability associated with Web-enabled applications' accessibility through the Internet.

COURSE DESCRIPTIONS

ITSA 255: Information System Security (3 credits)

Systems administrators are provided with knowledge of the approaches intruders use to gain access to the system. Concepts of vulnerability of the system exploited by the intruder through threats of interruption, interception, modification, and fabrication are discussed. The use of firewalls and other preventive approaches to the security of a UNIX-based network environment are examined in detail.

TEL 100: Introduction to Business Telecommunications (3 credits)

This course introduces students to telecommunications technology, both voice and data. The course begins with a brief history of telecommunications in North America. Open Systems Interconnection (OSI) and Standard Organizations are also discussed. LAN, MAN, WAN, BN and network components are covered in this course. Network security issues and various case studies from Dow Corning telecommunications are discussed. **Note:** There is no lab for this course.

TEL 140: PC Local Area Networks (3 credits)

Instruction prepares a student to build a network from computer components. The course surveys the need for networks, hardware and software specifications, network installations, communications theory, and the administration of networks. The student builds a network, installs an operating system, and uses the network.

DANCE DAN

DAN 111: Tap Dance I (2 credits)

10 Lecture Hours; 20 studio hours

This course is a beginning study of technical fundamentals of tap dance techniques. An opportunity to develop coordination, rhythm, and performance skills is also provided. Some history of tap will be included. May be repeated for a total of four credits.

DAN 250: Dance Production Workshop (3 credits)

90-120 practicum hours

Prerequisite: Permission of the instructor via audition and/or interview

This course is an intense practicum focused on the art and craft of dance design and production. The course will provide students with the opportunity to participate in faculty-directed, department-sponsored productions. A typical rehearsal process requires approximately three hours rehearsal, three to five nights per week, for six to eight weeks, plus six performances. Participation will be defined as dance performance as well as dance design and production, including choreography, costume, lighting, make-up, management, scenery, safety, sound, and rigging techniques and practices. Students will work toward the creation of one substantial production with all the supportive elements necessary to stage a performance for public presentation. Students will not be permitted to earn concurrent credit for THEA 250 and DAN 250 when participating in a single production unless special permission is granted by the production director.

DENTAL HYGIENE DH

DH 130: Dental Materials (3 credits)

30 lecture hours; 45 lab hours

Prerequisite: completion of all required first-year courses of the Dental Hygiene Program

Lab fee

The scientific basis for the use of dental materials and their proper handling is studied. Lab periods provide basic understanding of the importance of the various properties of materials.

DH 136: Periodontics (2 credits)

30 lecture hours

Prerequisite: completion of all required first-semester courses of the Dental Hygiene Program

This course includes the classification and identification of the periodontal diseases and the therapeutic measures used in their treatment. The hygienist's role in recognition, prevention, and treatment is emphasized.

DH 142: Histology and Embryology (2 credits)

30 lecture hours

Prerequisite: admission to the Dental Hygiene Program

Microscopic study is provided of the structural and functional units of living tissue with emphasis on the histological structures of the oral cavity and development of teeth and surrounding tissue.

DH 143: Fundamentals of General and Oral Pathology (1 credit)

15 lecture hours

Prerequisite: admission to the Dental Hygiene Program
This course introduces the concept of disease as opposed to normal form and functions, including discussion of tissue reaction to various injuries. The main focus is on the manifestations of disease in the oral cavity.

COURSE DESCRIPTIONS

DH 150: Pre-Clinical Dental Hygiene (4 credits)

30 lecture hours; 90 lab hours

Prerequisites: admission to the Dental Hygiene Program and completion of all required first-semester Program courses

Lab fee

An introduction to dental hygiene care is provided. Laboratory instruction examines the use of instruments, develops instrumentation techniques, and introduces clinical experience.

DH 151: Clinical Dental Hygiene I (3 credits)

15 lecture hours; 90 lab hours

Prerequisites: admission to the Dental Hygiene Program and completion of all required first-semester Program courses

Lab fee

Lectures and clinical practice in the area of preventive dentistry are offered. Students study the principles and procedures for prevention of oral disease including dietary control, oral hygiene measures, and the use of fluorides and sealants. The principles and application of root planning are also emphasized.

DH 220: Concepts in Advanced Dental Hygiene Practice (2 credits)

24 lecture hours and 12 laboratory hours

Prerequisites: DH 136; DH 151; DH 110

The course is designed to teach the student various concepts and techniques in the practice of dental hygiene. This will include management of pain control through administering local anesthetic agents. The physiologic and pharmacologic agents, indications and contraindications for use, and the treatment of complication and emergencies are stressed. Other modalities of pain control will be discussed. Upon completion of this course, the student will be able to consistently give infiltration injections of local anesthetic that are safe and effective with minimal discomfort. The course meets the Maryland State Board of Dental Examiners (MSBODE) requirements for certification in Administration and Monitoring of Local Infiltration in the Practice of Dental Hygiene.

DH 230: Oral Pathology (3 credits)

45 lecture hours

Prerequisite: completion of all required first-year courses of the Dental Hygiene Program

Disease process in man is studied with emphasis on the relationship of general diseases of the body to diseases of the teeth and supporting tissues. Students learn to recognize abnormal conditions of the mouth.

DH 231: Pharmacology (2 credits)

30 lecture hours

Prerequisite: completion of all first-year courses of the Dental Hygiene Program

Drugs and their use in the treatment, diagnosis, and prevention of disease are studied. The course examines drugs as they affect the clinical practice of dental hygiene.

DH 237: Ethics and Jurisprudence (1 credit)

15 lecture hours

Prerequisite: completion of all required first-, second-, and third-semester courses of the Dental Hygiene Program

Professional and ethical responsibilities and liabilities, and how they relate to laws governing clinical dental hygiene practice are studied.

DH 242: Dental Public Health (3 credits)

45 lecture hours

Prerequisite: completion of all required first-year courses of the Dental Hygiene Program

An overview of the history and philosophy of public health practice and administration is presented. Dental public health programs are analyzed and evaluated with an emphasis on preventive dentistry. Effective methods of teaching dental health to different population groups are explored.

DH 250: Clinical Dental Hygiene II (4 credits)

15 lecture hours; 180 clinical hours

Prerequisite: completion of all first-year courses of the Dental Hygiene Program

Lab fee

Advanced lectures and demonstrations in the clinical practice of dental hygiene with clinic time devoted to experience in rendering preventive care are provided. Lectures emphasize patients with special needs.

DH 251: Clinical Dental Hygiene III (5 credits)

15 lecture hours; 180 clinical hours; 60 hours extramural assignment

Prerequisite: completion of all first-, second-, and third semester courses of the Dental Hygiene Program

Lab fee

Demonstrations are provided in advanced clinical skills with enhancement in clinics, hospitals, and military facilities.

DENTAL SCIENCE DS

DS 100: Oral Anatomy and Physiology (3 credits)

30 lecture hours; 45 lab hours

Prerequisite: admission to the Dental Hygiene Program

Lab fee

A detailed study of the morphology and function of human teeth and their surrounding structures is provided. Course content relates the anatomy and physiology of bones, muscles, nerves, blood vessels, and other structures of the head and neck to the physiological aspects of the oral cavity and the entire body.

COURSE DESCRIPTIONS

DS 110: Oral Radiography (3 credits)

30 lecture hours; 45 lab hours

Prerequisites: DS 100 and all first-semester Dental Hygiene

Program courses

Lab fee

Knowledge of radiation, radiation physics, principles of the various intra- and extra-oral techniques, essentials of image formation and radiographic quality, radiographic anatomy, the biological effects of radiation, and radiation safety are provided. Students learn to use X-ray equipment and darkroom procedures for processing radiographs, develop skill in intra- and extra-oral techniques, and practice radiation safety.

DIETARY NUTRITION DNT

DNT 200: Nutrition for Health Sciences (3 credits)

45 lecture hours

Prerequisites: CHE 103 OR BIO 107

This course is designed for the student with some background in the physical and biological sciences. Allied health professionals, who need detailed information for the nutrition care of others for optimum health and treatment of disease, are those for whom the course is planned. Course content includes the nutrients, their functions in the body, food as a source of the nutrients, and the nutritional needs throughout life. Emphasis is on the prevention of nutrition related disorders by the application of the Dietary Guidelines for Americans. This course is accepted for transfer into four-year nursing programs.

EARLY CHILDHOOD EDUCATION ECE

ECE 112: Maryland State Child Day Care Training Certification: Child Growth and Development, Part I (3 credits)

45 lecture hours

Students are provided with a broad overview of normal child growth and development from birth to twelve years, with particular emphasis on the period from two to five years. Developmental delays and disturbances are described. Also discussed are basics in terms of guiding the learning of the young child in order to promote optimum development both at home and in a group. Topics include setting limits, building self-esteem, helping children handle emotions, and learning through play. Students are required to participate in guided observations of individual children. ECE 112 fulfills one-half of the Maryland State Department of Human Resources minimum training requirements for child day care senior staff certification.

ECE 113: Maryland State Child Day Care Training Certification: Programs and Activities, Part II (3 credits)

45 lecture hours

Lab fee

A broad overview is provided of the child day care environment for the development of appropriate physical, psychosocial, and cognitive skills of children from birth to twelve years. Key program components such as indoor and outdoor play, transitions, parent involvement, and program scheduling are covered. Philosophical bases of developmentally appropriate curricula in both home and group settings are examined. Students have the opportunity to observe different program types and the application of principles of learning. In addition, students are given opportunities to demonstrate beginning-level competence in planning and implementing activities for children. ECE 113 fulfills one half of the Maryland State Department of Human Resources training requirements for child day care senior staff certification.

ECE 114: Caring for Infants and Toddlers (3 credits)

45 lecture hours

Prerequisite: ECE 100

A broad overview of normal growth and development from birth to three years with particular emphasis on the period from birth to two years is covered. Developmental delays and disturbances are described. Basics of planning activities for infants and toddlers in order to promote optimum development both at home and in a group setting are discussed. The topics include setting limits, building self-esteem, helping children handle emotions, and learning through play. Students are required to participate in guided observations of individual children and programs. This course also meets the requirements for those students who need additional credits beyond the 64-hour Maryland State Child Day Care Training Certification.

ECE 115: Language Development of the Young Child (3 credits)

45 lecture hours

Prerequisites: ECE 100 and ECE 101; or ECE 112 and ECE 113; DHR Office of Child Care Licensing and Regulation Senior Staff Certification; or permission of the instructor

Students study the importance of the total language arts program, the development of language, and the young child's readiness to learn. Also addressed are strategies for effective awareness of cultural differences and parental involvement as components of the child's development in language and learning.

COURSE DESCRIPTIONS

ECE 217: Planning and Administering Programs for Children (3 credits)

45 lecture hours

Prerequisites: ECE 100 and ECE 101; or ECE 112 and ECE 113; DHR Office of Child Care Licensing and Regulation Senior Staff Certification; or permission of the instructor

A broad overview of the planning and administration of a childcare program is provided. Students examine the procedures for licensure and registration, plan space, and equip a program based on the ages served and the regulatory guidelines. Topics include licensing and regulation, space/facility planning, business plan, business resources, staff considerations, needs assessment, program components, and understanding the consumers—parents and employers. Each student plans a program for children to meet an identified need.

ECE 220: Introduction to Literature for Children (3 credits)

45 lecture hours

Prerequisites: ECE 116; EDU 200; PSY 201

Literature for children is examined as an integral part of the literature of America and its diverse culture. The course begins with a study of literary elements and the genre using specific examples from the literature. Characters, theme, tone, style, and perspective are defined and then examined in picture books, concept books, fairy tales, and novels. There is discussion of the historical and political issues that affect the themes, points-of-view, and values expressed in literature for children. Finally, the course considers the industry itself—the authors, publishers, the Children's Book Council, periodicals, and the library association—that comprises the people responsible for developing, reviewing, and distributing literature for children in Baltimore and the nation.

ECONOMICS ECO

ECO 101: Economic History (3 credits)

Meets Category II General Education Requirements

45 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

The student is engaged in a comparative analysis of evolutionary economic systems from pre-industrial to postindustrial societies with emphasis on the development of capitalism. Students also analyze the international, global, developing, and underdeveloped economies with a special focus on gender, race, ethnicity, and class.

ECO 201: The American Economy I: Macroeconomic Theory (3 credits)

Meets Category II General Education Requirements

45 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

Students are helped to understand the overall functioning of the American economy through an examination of unemployment, inflation, recession, GNP, and the interaction of businesses, households, and government.

ECO 202: The American Economy II: Microeconomic Theory (3 credits)

Meets Category II General Education Requirements

45 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

Students pursue a more specialized analysis of the American economy and the economic and market activities of individual consumers and producers.

EDUCATION EDU

EDU 101: PRAXIS-I Mathematics Content Preparation-Part I (4 credits)

60 lecture hours

Prerequisite: None

This course is the first in a two-course sequence offered to prepare teachers and paraprofessionals for the PRAXIS-I and/or PARAPRO mathematics examination. The course focuses on conceptual and procedural knowledge, as well as representations of quantitative information. Course topics range from concepts and applications in arithmetic to basic statistics and basic probability. Test-taking strategies will be emphasized, as well as making connections between different concepts covered in this course.

EDU 102: PRAXIS-I Mathematics Content Preparation-Part II (4 credits)

60 lecture hours

Prerequisite: None

This course is the second in a two-course sequence offered to prepare teachers and paraprofessionals for the PRAXIS-I and/or PARAPRO mathematics examination. The course focuses on elements of basic algebra, systems of measurement, informal geometry and measurement, and formal mathematical reasoning. Test-taking strategies will be emphasized, as well as making connections between different concepts covered in this course. One hour per week will be set aside to review concepts learned in EDU 101.

COURSE DESCRIPTIONS

EDU 103: English for Paraprofessionals and Practicing Teachers (4 credits)

60 lecture hours

Prerequisite: None

This course begins with an introduction to test preparation and test-taking strategies for paraprofessionals and practicing teachers. Students analyze, discuss, and compose expository and persuasive essays. This course also focuses on vocabulary development to improve reading and comprehension skills.

EDU 104: English for Practicing Teachers (4 credits)

60 lecture hours

Prerequisite: None

This course has been developed in response to Maryland's certification requirements. Teachers are required to pass assessment tests that measure reading and writing skills. This course is designed to prepare students for the Praxis examination. Individuals seeking certification in Maryland in instructional areas must take the Praxis examination and meet minimum requirements for state licensure. Participants will be able to perform the objectives assessed in the Praxis examination. Thus, this course is designed to meet students' specific area needs and help improve their chances of achieving higher scores.

EDU 150: Becoming a Professional in Education (1 credit)

15 lecture hours

Corequisite: ENG 101

This is the first course in a professional education program and is designed to help students seriously examine whether education is an appropriate profession for them to pursue. Students will have an opportunity through direct observation and class discussions to examine characteristics of schools, classroom life, school curriculum, and the complexities of school systems. Students will also be introduced to the process of becoming certified to teach in the State of Maryland and begin to prepare for and pass the PRAXIS exam. Students will begin to develop their professional portfolios that are required for completion of the A.A. degree program.

EDU 200: Introduction to Education (3 credits)

45 lecture hours

Students in this course are introduced to the complex world of education and teaching. The profession is examined from various perspectives, with the focus on the extensive requirements for success, including knowledge, skills, hard work, commitment, and talent. Attention is given to the historical, philosophical, political, and legal foundations of education in America. Students have opportunity through direct observation and class discussions to examine characteristics of students, the complexities of the classroom life, and the school curriculum. An examination of current themes and issues enables participants to understand the importance of extending equal educational opportunity to all students. With a fuller understanding of the role of education in America, participants are guided toward selecting careers in education.

EDU 215: Developmental Process and the Acquisition of Reading Competency (3 credits)

45 lecture hours

This course explains the process of language development, including the impact of phonemic awareness, and how the brain responds to reading instruction. Students will learn about the latest brain research and the relationship and role of each component of language acquisition to reading development. Students will discuss the interactive nature of the reading process and analyze the effects of phonemic awareness and phonics on developing readers. Finally, students will analyze the essential connection of language development, reading acquisition, and writing.

EDU 220: Instruction of Reading Competency (3 credits)

45 lecture hours

This course focuses on the varied theories, research, and methodologies of teaching reading. Students will learn how to apply these theories, strategies and practices of reading using a balanced program of phonics, semantics, and syntactics. This course will prepare future teachers to promote critical literacy necessary in today's and tomorrow's diverse and complex schools. Students of the course are provided with hands-on knowledge to successfully guide their students towards critical literacy.

EDU 225: Effective Assessment and the Teaching of Reading (3 credits)

45 lecture hours

This course shows students a variety of assessment techniques, processes, and instruments that can be used to guide instruction in reading. Class participants will learn about diagnostic teaching techniques in the areas of literacy. Students will learn how to use data from state and local assessments to make educational decisions. Students will also learn effective methods of reporting assessment results to all the relevant stakeholders such as parents, school personnel and the community.

COURSE DESCRIPTIONS

EDU 230: Selection, Evaluation, and Utilization of Materials and Technology To Teach Reading (3 credits)

45 lecture hours

This course exposes students to a variety of texts to be used in their classes and explains strategies for selecting and evaluating written materials. Students will also use a variety of media, arts, and technology to support the development and generalization of reading competency.

EDU 235: Methods of Teaching Reading in Secondary Content Areas, Part I (3 credits)

45 lecture hours

This course outlines the essentials of the reading process for application of appropriate reading methodology in secondary content courses. Students will be introduced to methods and strategies to incorporate content area reading instruction into secondary courses. Students will also learn how to assess reading skills and provide appropriate motivational reading activities to improve the learner's performance in content areas.

EDU 240: Methods of Teaching Reading in Secondary Content Areas, Part II (3 credits)

45 lecture hours

Prerequisites: Eng 101

This course continues the process begun in Methods of Teaching Reading in the Secondary Content Area, Part I by outlining the essentials of the reading process for application of appropriate reading methodology in secondary content courses. Students will focus on types of reading, skills of reading, and instruction.

EDU 250: Introduction To Effective Elementary Teaching Methods (3 credits)

45 lecture hours

In this course students will be able to identify, describe and apply various instructional strategies and understand how to use them effectively within a multicultural classroom of socially, ethnically and cognitively diverse learners. Students will learn how to appropriately implement varied individual and group instructional and classroom management techniques to improve the performance of learners in all academic areas in both elementary and middle schools in urban settings.

EDU 255: Educational Assessment (3 credits)

45 lecture hours

This course deals with the full range of issues related to varied assessment tools and methods utilized in the educational process. This includes understanding the principles, issues, and appropriate utilization of standardized test data to provide useful information regarding student abilities and academic achievement. Students in the course will also learn how to use a variety of authentic classroom assessment techniques, processes, and instruments that can be used to guide instruction and improve student performance. They will also learn how to use data from state and local assessments to make educational decisions. Course participants will also learn effective methods of reporting assessment results to all the relevant stakeholders such as parents, school personnel, the community and students.

EDU 260: Introduction to Effective Teaching Methodology in Secondary/Specific Content Area (3 credits)

45 lecture hours

In this course students will be able to identify, describe and apply various instructional strategies and understand how to use them effectively within a multicultural classroom of socially, ethnically and cognitively diverse learners. Students in the course will learn how to appropriately implement varied individual and group instructional and classroom management techniques to improve the performance of learners in all academic areas in both middle and secondary schools in urban settings.

EDU 275: School Law: Contemporary Legal and Political Issues in the Urban Classroom (3 credits)

45 lecture hours

This course will provide an in-depth examination of contemporary legal, political and ethical issues affecting teachers, administrators, and students in urban schools. Today's schools function in a complex legal environment and a wide range of legal, political, and ethical issues influence the lives of teachers, students, parents, and administrators. This course will exam new legislation, regulations, and school board practices including highlighting major cases and legislation of general interest to teachers and administrators rather than focus on legal details.

EDU 290: The Pedagogy of Online Teaching (3 credits)

Prerequisites: Instructor's Approval

Suggested Course Schedule: 5 weeks, 2 hours a week in lab and /or class and 35 hours on-line

Instructional technology has opened the opportunity to provide learning "anytime, anywhere" by mediating the instruction and communication between teacher and students via the Internet. However, the new format for learning requires educators to apply new pedagogy meant to ensure high academic standards and the best use of technology. Therefore, this course is designed for instructors who consider teaching online, as well as for other educators who want to learn effective ways of integrating technology in their professional activity. The course requires participants to create a successful distance learning course or platform, to reflect on and discuss the best teaching and communication practices in the online format, and to experience Web-based distance learning from a student's perspective.

ELECTRONICS TECHNOLOGY ELC

ELC 101: Mathematics for Electronics I (3 credits)

45 lecture hours

Corequisite: MAT 82 or MAT 92

This is an application-based electronics mathematics course that emphasizes the significant technical operations faced by electrical and telecommunication technicians. The course prepares the technician to understand and apply specialized and unusual mathematical operations experienced on the job and observed in the literature in the field. Topics include expressions involving integer indices; algebraic techniques and operations of electrical laws and theorems; straight line graphs; applications of logarithmic, exponential, and trigonometric functions; and the interpretation of specifications, graphs, charts, and tables.

ELC 111: AC/DC Fundamentals (3 credits)

30 lecture hours; 45 lab hours

Prerequisite: MAT 82 or MAT 92, or satisfactory ACCUPLACER scores

Lab fee

The basic AC/DC electrical theory, schematic reading, soldering techniques, various cable terminations, and circuit testing including electrical measuring devices and the principles underlying their design and use are introduced.

ELC 120: DC Circuits Analysis (3 credits)

30 lecture hours; 45 lab hours

Prerequisites: ELC 111; MAT 82; or MAT 92, or permission of the Electronics Technology program head

Corequisite: ELC 101

Lab fee

This course includes Ohm's and Kirchhoff's Laws: V-I of RLC elements, voltage and current divider rules, Methods of Analysis including Thevenin's and Norton's Theorems, Mesh and Nodal Analysis, Bridge Networks and Transients in Capacitive and Inductive Networks. The student builds the circuits to be tested and learns to utilize the VOM and DMM in analyzing, testing, and troubleshooting operations.

ELC 121: AC Circuits Analysis (3 credits)

30 lecture hours; 45 lab hours

Prerequisite: ELC 120 or equivalent

Corequisite: MAT 128 or equivalent

Lab fee

The theory of the Sinusoidal Wave, Reactance in RLC elements, Methods of Analysis (Thevenin's and Norton's Theorems, Mesh and Nodal Analysis, and Bridge Networks), Power, Resonance, Filters, Poly-phase Systems, and Transformers are included. The student expands application skills in the use of the VOMs and DMMs while learning to utilize the Signal Generator and Oscilloscope in analyzing, testing, and troubleshooting operations.

ELC 131: Semiconductor Devices (3 credits)

30 lecture hours; 45 lab hours

Prerequisite: ELC 121

Lab fee

Various rectifying, filtering, and diode circuits, transistors, FETS, UJTs, SCRs, and power supply regulation are surveyed. Students learn applications of the various circuits studied in lecture and how to troubleshoot the devices in laboratory.

ELC 132: Semiconductor Circuits (3 credits)

30 lecture hours; 45 lab hours

Prerequisite: ELC 131

Lab fee

This course covers circuit analysis utilizing bipolar and ET transistor amplifiers with feedback, operational amplifiers, and linear integrated circuits (such as comparators, amplifiers, active filters, and phase locked loops). Students learn circuit schematics and semiconductor circuits design applications.

COURSE DESCRIPTIONS

ELC 151: Digital Fundamentals (3 credits)

30 lecture hours; 45 lab hours

Corequisites: ELC 111 or equivalent; MAT 82 or MAT 92, or appropriate ACCUPLACER score

Lab fee

Number systems, Boolean algebra, logic functions and gates, minimization techniques, decoders, encoders, multiplexers, arithmetic circuits, latches, flip-flops, counters, and shift registers are surveyed. Students build the circuits to be tested and utilize a DMM, pulse generator, and logic probes in analyzing, testing, and troubleshooting operations.

ELC 251: Digital Systems (3 credits)

30 lecture hours; 45 lab hours

Prerequisite: ELC 151

Lab fee

The way in which the basic digital circuits can be wired to form a computer and control systems is demonstrated. Included in the study are shift registers, memory and programmable logic devices, system interfacing, microprocessor-based systems, newly introduced integrated circuit technologies, and an introduction to CD-ROM technology. Students use the logic analyzer and study its application as a design and test tool.

ELC 255: PC Servicing (3 credits)

30 lecture hours; 45 lab hours

Prerequisite: None

Lab fee

Students are introduced to the techniques of computer repair and upgrading, including analysis of common problems generated from equipment (monitor, keyboard, expansion card, drive) through components (RAM, PROM, BIOS, Coprocessor) at the motherboard of the CPU. Software and hardware diagnostics, schematics, and service manuals are used to address the problems found during PC repair and/or PC upgrading operations. Students are introduced to the use and application of specific hand tools and test equipment.

ELC 256: Digital Fundamentals and Circuits (3 credits)

45 lecture hours

Prerequisite: ELC 120

This course covers number systems, Boolean algebra, logic functions and gates, minimization techniques, decoders, encoders, multiplexers, arithmetic circuits, latches, flip flops, counters, and shift registers. Students build the circuits to be tested and utilize a DMM, pulse generator, digital oscilloscopes, digital logic analyzers and logic probes in analyzing, testing, and troubleshooting operations. Students also design and analyze combinational logic circuits and synchronous sequential circuits.

ENGINEERING EGR.

EGR 214: Architectural Design (3 credits)

30 lecture hours; 30 lab hours

Prerequisite: CADD 101

Lab fee

This course provides the relationship of materials to design from the point of view of practical and economic limitations. The application of building code requirements are studied. With computer hardware and software applications, the student works on small projects, job checklists, and cost estimating of materials.

ENGINEERING TRANSFER EGN

EGN 101: Engineering Graphics (3 credits)

15 lecture hours; 60 lab hours

Prerequisite: MAT 128

Corequisite: MAT 129

Lab fee

EGN 101 introduces students to the elements of graphics communication, visualization, analysis, and basic engineering design principles. At the end of the class, students should be able to use Lego Mindstorm Robotics Platform to design, visualize, simulate, test and redesign a robot.

EGN 102: Statics (3 credits)

45 lecture hours

Prerequisites: EGN 101; MAT 140

This course is the first in a sequence of two courses in introductory mechanics. Topics include statics of particles, statics of rigid bodies, analysis of structures, friction, centroids, centers of gravity, and moments of inertia.

EGN 201: Dynamics (3 credits)

45 lecture hours

Prerequisites: EGN 102; MAT 141; PHY 203

This course is the second in a sequence of two courses in introductory mechanics. Topics include kinematics and kinetics of particles, force, energy and momentum methods, systems of particles, kinematics and kinetics of rigid bodies, and mechanical vibrations.

EGN 205: Special Topics in Electrical Engineering (1 credit)

15 lecture hours

Prerequisites: MAT 141 and CSC 108

This course will focus on the basic concepts of numerical analysis and its limitations, matrix equations, eigenvalues, linear systems, Laplace Transforms, and Fast Fourier Transforms. A numerical analysis application will be used throughout the course.

ENGLISH ENG

RENG 90: Integrated Reading and English (0 credits)

Course Description:

60 contact hours of combined lecture and laboratory instruction; (considered 4 semester-hours for billing and scheduling purposes.) A, B, C, or F grade

RENG 90 is the first of a three-tier sequence of developmental reading-writing courses. Like all RENG courses, this course is theme and mastery unit-based. Units include practice in word attack and vocabulary development, reading comprehension, study habits, grammar and mechanics, and paragraphing. This skill practice, along with exploration of current issues across the disciplines via class readings and discussions, optimizes the RENG 90 student's opportunity for successful completion of RENG 91.

RENG 91: Integrated Reading and English I (0 credits)

90 contact hours of combined lecture and laboratory instruction; (considered 4 semester-hours for billing and scheduling purposes) A,B,C, or F grade; Prerequisite: RENG 90 or ACCUPLACER test score between 50 and 71

This is the second course in the three-tiered sequence of developmental reading-writing courses. This course is required for students who have successfully completed RENG 90 and for others whose ACCUPLACER scores fall between 50 and 71 in writing. RENG 91 focuses on the composition of unified and coherent paragraphs and reading competency and it introduces students to the logical and well-developed short expository essay. Grammar, mechanics, sentence structure, and reading comprehension are stressed in relation to the skills of composing and understanding paragraphs and essays required for success in RENG 92.

RENG 92: Integrated Reading and English II (0 credits)

90 contact hours of combined lecture and laboratory instruction; (considered 4 semester-hours for billing and scheduling purposes). A,B,C, or F grade; Prerequisite: RENG 91 or ACCUPLACER test score between 72 and 89.

This is the third course in the three-tiered sequence of developmental writing and reading courses. This course is required for students who have successfully completed RENG 91 and for others whose ACCUPLACER scores fall between 72 and 89 in writing. RENG 92 focuses on composition of logical and well-developed expository and persuasive essays and reading competency skills. Furthermore, it introduces students to the essentials of MLA documentation and format. Grammar, mechanics, sentence structure, and reading comprehension are stressed in relation to the skills of composing and understanding essays required for success in ENG 101 and other college-level courses where writing is an integral part of the curriculum.

ENG 101: English Writing (3 credits)

Meets Category V General Education Requirements 45 lecture hours; D and F Grades are not awarded. A minimum of a C grade is required to pass the class.

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores. Non-native English speakers pursuing an academic certificate or degree take a mandatory sequence of courses in core skill areas (ELI 80W; ELI 80R; ELI 81G; ELI 81W; ELI 82G; and ELI 82W). Successful completion of ELI 82G and ELI 82W courses is required before taking ENG 101. (Details under English Language Instruction.)

This course offers classroom instruction and practice in the skills necessary to write effective informative and persuasive essays, to understand the primary principles of scholarly inquiry and research, and to use the conventions of documentation. Students learn to use the conventions of standard written American English to establish a clear purpose in their writing, to develop their purpose with adequate and pertinent evidence, and to adapt their presentations to a range of audiences. The preparation of regularly scheduled essays is required, as is revision and editing of instructor-evaluated work.

ENG 102: Introduction to the Term Paper and Research Methods (3 credits)

45 lecture hours

Prerequisite: ENG 101

Skills are developed in basic research and analysis focusing on topic selection, note taking, planning, composing, and documentation. Students prepare research assignments, including abstracts, bibliographies, and research essays. Certain sections of the course may be designated specifically for students in the Arts and Sciences Transfer Program, Business programs, Allied Health programs, or Legal Assistant programs, providing specialized treatment of students' varying research needs.

ENG 103: Journalism (3 credits)

45 lecture hours

Prerequisite: ENG 101

The mass media and the specific role of the press are surveyed. Work in the course includes field trips. Students conduct interviews and prepare news and features articles. Assignment to *The College Crier*, the student newspaper, is an option.

ENG 106: Creative Writing (Poetry) (3 credits)

45 lecture hours

Prerequisite: ENG 101

This course provides practice and constructive criticism in the composition of poetry through class discussion and presentation, individual conferences, and class review of student manuscripts. Readings and analyses of contemporary poets are included.

COURSE DESCRIPTIONS

ENG 107: Creative Writing (Fiction) (3 credits)

45 lecture hours

Prerequisite: ENG 101

Practice and instruction in the writing of fiction, emphasizing the short story, are offered. Class discussions provide analysis, criticism, and helpful information on the writing and marketing of fiction manuscripts.

ENG 112: Medical Writing (3 credits)

45 lecture hours

Prerequisite: ENG 101

The principles and processes used in the preparation of selected materials typically required in medical settings are presented. The course emphasizes the composition of specific medical documents in clear, straightforward language and formats appropriate to modern medical writing standards.

ENG 113: Business Writing (3 credits)

45 lecture hours

Prerequisite: ENG 101

The principles and processes used in the preparation of selected materials typically required in business settings are presented. The content stresses the composition of various types of business letters, memoranda, and reports in clear, straightforward language and formats appropriate to current business practices.

ENG 114: Technical Writing (3 credits)

45 lecture hours

Prerequisite: ENG 101

The principles and processes used in the preparation of selected materials typically required in technical settings such as engineering, electronics, and data processing environments are presented. The course emphasizes the composition of specific technical reports in clear, straightforward language and formats appropriate to modern technical writing standards.

ENG 175: Writing for Teachers (3 credits)

45 lecture hours

Offered by contract for Baltimore City Public School System teachers

Teachers and other school employees are provided with a thorough review of grammar and practice in the kinds of writing they are likely to encounter on the job. Students complete individualized grammar exercises and class assignments during each meeting and for homework. In addition to classroom activities, students have the opportunity, both during class periods and at other times, to work with the computer-assisted instructional materials in the IBM computer lab.

ENG 191: Special Topics in English (credits vary)

This course is the umbrella course name for any custom-designed course in English contracted by an outside business or government agency. Course content and number of credits are those requested by the contracting persons.

ENG 199: Individual Study in English (3 credits)

See IS-Individual Study, p. 23.

ENG 200: Introduction to Literature (3 credits)

Meets Category I General Education Requirements

45 lecture hours

Prerequisite: ENG 101

The four literary forms—poetry, drama, the short story, and the novel—are studied. Major emphasis is on teaching students to read critically and to write critical essays based on the analysis of various literary works.

ENG 201: Survey of English Literature II (3 credits)

Meets Category I General Education Requirements

45 lecture hours

Prerequisite: ENG 101

The chronological and artistic development of English literature in poetry and prose from the Middle Ages through the 18th century is surveyed. Major writers include Chaucer, Milton, Shakespeare, and Swift. Several literary papers are required.

ENG 202: Survey of English Literature (3 credits)

Meets Category I General Education Requirements

45 lecture hours

Prerequisite: ENG 101

The chronological and artistic development of English literature in the 19th and 20th centuries is studied. Major poets and novelists include Keats, Browning, Dickens, and Lawrence. Several literary papers are required.

ENG 203: Masterpieces of World Literature (3 credits)

45 lecture hours

Prerequisite: ENG 101

This course is organized to allow full utilization of the expertise and knowledge of the entire English faculty body in the belief that allowing teachers to teach those masterpieces with which they are familiar and which are not necessarily included in the more traditional English offerings will result in a highly-motivated and effectively taught program of great benefit to the student.

COURSE DESCRIPTIONS

ENG 205: The Woman in Literature (3 credits)

Meets Category I General Education Requirements

45 lecture hours

Prerequisite: ENG 101

The roles of women as authors and as fictional characters in 19th and 20th century American and British literature are studied. Lectures, discussion, films, and literary analysis are utilized.

ENG 207: Survey of American Literature I (3 credits)

Meets Category I General Education Requirements

45 lecture hours

Prerequisite: ENG 101

The major literary works produced in America from the Colonial Period to the Civil War are surveyed with emphasis on the New England writers of the Romantic Period.

ENG 208: Survey of American Literature II (3 credits)

Meets Category I General Education Requirements

45 lecture hours

Prerequisite: ENG 101

The major literary works of American authors from the Civil War to the present are surveyed with special emphasis on the novel. Several literary papers are required.

ENG 210: African American Literature (3 credits)

Meets Category I General Education Requirements

45 lecture hours

Prerequisite: ENG 101

African American literature from slavery to the 1980s is studied with emphasis on literary principles and literature as a cultural manifestation. Special attention is given to the selfimage of African Americans as expressed in their writings.

ENG 212: Survey of Contemporary African American Literature (3 credits)

45 lecture hours

Prerequisite: ENG 101

This course is a survey of African American autobiographies, biographies, political essays, novels, plays, poems, and short stories from the 1950s to the present. The course introduces selected African American writings and explores their aesthetic, historical, cultural, and socio-political significance.

ENGLISH LANGUAGE INSTRUCTION ELI

Non-native English speakers pursuing an academic certificate or degree take a mandatory sequence of courses in core skill areas (ELI 80W, ELI 80R, and ELI 80L; ELI 81G and ELI 81W; ELI 82G and ELI 82W). ELI 80, 81, and 82 classes are the equivalent of RENG 90, 91, and 92 courses for native English speakers.

Successful completion of ELI 82G and ELI 82W courses is required before taking ENG 101.

Academic listening and speaking courses are offered at three levels. ELI 80L is required for college preparation. ELI 81L and ELI 82L enrollment is optional.

ELI 80W: Intermediate Grammar and Writing (0 Credit)

90 contact hours; considered 6 semester-hours for billing and scheduling purposes

Prerequisites: Appropriate LOEP test scores

This course offers intensive support for non-native speakers who need to develop sentence writing skills and the ability to write paragraphs for success in High Intermediate Academic Track courses. Grammar topics include verb tense and sentence structure. Students use this knowledge to write a range of well-organized paragraphs.

ELI 80R: Intermediate Reading and Vocabulary (0 Credit)

45 contact hours; considered 3 semester-hours for billing and scheduling purposes

Prerequisites: Appropriate LOEP test scores

Reading comprehension skills of non-native speakers are developed by identifying main ideas, supporting ideas, tone, and point of view. Students learn to use an English-only dictionary and context clues to determine the meaning of unfamiliar words. Students expand vocabulary knowledge through studying word families, roots, and affixes.

COURSE DESCRIPTIONS

ELI 80L: Intermediate Listening and Presentation Skills (0 credit)

45 contact hours; considered 3 semester-hours for billing and scheduling purposes

Pre-requisites: Appropriate LOEP test scores

This course helps non-native English speakers develop the basic oral communications skills necessary for college-level work. Students practice listening for details in short listening passages, filling in outlines, and writing summaries. They deliver prepared oral presentations and learn to use academic vocabulary and polite forms in speaking. Students participate in classroom discussions, analyze information presented orally, and practice speaking more comprehensibly, including pronunciation practice.

ELI 81G: High Intermediate Grammar (0 Credit)

45 contact hours; considered 3 semester-hours for billing and scheduling purposes

Prerequisites: ELI 80W, ELI 80R, and ELI 80L or appropriate LOEP test scores

This course provides continuing development and practice of English grammar for non-native speakers who need to improve their oral and written fluency. Topics include writing compound and complex sentences, using gerunds and infinitives, and correctly employing verb tenses and punctuation.

ELI 81W: High Intermediate Reading and Writing (0 Credit)

90 contact hours; considered 6 semester-hours for billing and scheduling purposes

Prerequisites: ELI 80W, ELI 80R, and ELI 80L or appropriate LOEP test scores

This course offers non-native speakers instruction in reading comprehension, critical thinking skills, and writing for academic success. Emphasis is on the comprehension, analysis, and interpretation of academic and general readings. Students practice vocabulary acquisition strategies through readings. The content of readings provides material to respond to as students learn to produce logical and coherent paragraphs and well-developed expository essays. Through the process of revision, students learn to edit their work for correct grammar, punctuation, and spelling. Students are also introduced to research skills.

ELI 81L: Oral Communication (0 credit)

45 contact hours; considered 3 semester-hours for billing and scheduling purposes

Pre-requisites: Appropriate LOEP test scores

This course offers high intermediate non-native English speakers practice in academic oral comprehension and classroom communication skills. The use of appropriate phrases for expressing disagreement, frustration, and interrupting a speaker is stressed. Students learn to listen actively, to take notes, to paraphrase and synthesize listening selections, and to respond appropriately. Students present orally, share personal and cultural perspectives and explain and support their opinions.

ELI 82G: Advanced Grammar (0 Credit)

45 contact hours, considered 3 semester-hours for billing and scheduling

Prerequisites: ELI 81G; ELI 81W or appropriate LOEP test scores

This course provides continued development of grammatical skills for non-native speakers. Students practice using correct grammatical form to communicate ideas effectively. The correct use of all verb tenses, modal auxiliaries, gerunds and infinitives is stressed. The construction of adjective, noun, and adverb clauses is also covered in this course. Editing practice is provided.

ELI 82W: Advanced Reading and Writing (0 Credit)

90 contact hours, considered 6 semester-hours for billing and scheduling purposes

Co-requisites: ELI 82G or appropriate LOEP test scores

This course for non-native speakers prepares students to understand and respond to college-level material across academic disciplines. It offers development of critical and inferential reading skills, and practice producing logical and well-developed expository and persuasive essays. Students read academic materials and analyze style and organization as the basis for developing their writing skills. Research skills are presented and applied in a short research project. Students are expected to edit their writing.

ELI 82L: Academic Listening and Note-taking (0 credit)

45 contact hours; considered 3 semester-hours for billing and scheduling purposes

Pre-requisites: Appropriate LOEP test scores

This advanced communication course helps non-native English speakers improve their listening and note-taking skills to prepare for college lecture comprehension. Students learn how lectures are organized and how to take complete, effective notes. Instruction and practice are provided in listening for key words and recognizing important organizational cues.

ENVIRONMENTAL SCIENCE ES

ES 110: Environmental Science (3 credits)

45 lecture hours

Prerequisites: MAT 81 or MAT 91, ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

The ways in which water supplies, food supplies, energy supplies, air quality, housing safety, pest control, and public sanitation affect man's external environment and environmental health are examined.

FASHION DESIGN FASH

FASH 101: Apparel Technology (3 credits)

*15 lecture hours; 75 hours combined lecture and laboratory
Lab fee*

This course stresses the fundamental skills in the construction of apparel with emphasis on the development of professional proficiency. Garments are created by both hand and machine methods with technical perfection being the goal. Students must have access to an industrial or domestic sewing machine for use out of class.

FASH 102: Historic Costume and Textile Development (3 credits)

*15 lecture hours; 75 hours combined lecture and laboratory
Prerequisite: FASH 101 (formerly AT 101) or FASH 200
Lab fee*

The history of costume from ancient civilization to the present and the development, characteristics, and selection of textiles are explored. Through the use of research, museum and library resources, and hands-on experience, students create costumes and apply surface design techniques to fabrics based on historical periods and contemporary events.

FASH 103: Fashion Design Concepts (3 credits)

45 lecture hours

This introductory course surveys basic concepts for the development of creative apparel. The elements and principles of fashion design-color, texture, line, shape, form, balance, proportion, and rhythm are explored.

FASH 104: Flat Pattern Design (3 credits)

*15 lecture hours; 75 hours combined lecture and laboratory
Prerequisite: FASH 101 and FASH 200
Lab fee*

Students are introduced to making patterns for apparel. Emphasis is placed on the use of the master pattern for garments of original design. Further instruction is given in apparel construction.

FASH 105: Visual Merchandising (3 credits)

45 lecture hours

A variety of techniques, equipment, and materials used to create effective presentations is introduced. Students acquire hands-on experience through projects emphasizing contemporary approaches to both interior and exterior fashion displays. Field trips help students to develop the skills and psychological insights required for successful work.

FASH 106: Apparel Buying and Retailing (3 credits)

45 lecture hours

The buying function and the various buyer responsibilities in different types of retail apparel organizations are analyzed. Students study career paths, customer demand, retail plans, buying techniques, advertising, and sales promotion.

FASH 107: Survey of Apparel Retailing (3 credits)

45 lecture hours

An overview is presented of the fashion industry, introducing the environmental, cyclical, design, and business forces that govern the origins and movement of apparel retailing.

FASH 108: Survey of Textiles (3 credits)

45 lecture hours

Presents an overview of textiles with an emphasis on the factors that produce successful garments. Consideration is given to modern textile innovations, the identification of fabrics, and the comparison of fibers for specific uses.

FASH 200: Advanced Apparel Technology (3 credits)

*15 lecture hours; 75 hours combined lecture and laboratory
Lab fee
Prerequisite: FASH 101 or the permission of the Program Coordinator*

This course is a continuation of AT 101, Apparel Technology. Emphasis is on complex methods of apparel construction, industrial techniques, and the creative interpretation of garments. Students must have access to an industrial or domestic sewing machine for use out of class.

FASH 201: Technical Fashion Illustration (3 credits)

*15 lecture hours; 75 hours combined lecture and laboratory
Lab fee*

Topics range from the frontal croquis figure to the depiction of darts, tucks, yokes, and more. Scale, styling, silhouette lines, and textiles are emphasized as essential in original designs for client presentation and apparel construction.

COURSE DESCRIPTIONS

FASH 202: Computer-Aided Pattern Design (3 credits)

15 lecture hours; 75 hours combined lecture and laboratory

Prerequisite: FASH 104

Lab fee

Passing this course with a "C" or better fulfills the College's Computer Literacy Requirement.

The basic methods of developing patterns using the Computer-Aided Drafting and Design (CADD) system are covered. Topics include digitizing, grading, pattern editing, layout, output, individual pattern development, and making monograms and ornaments.

FASH 203: Design by Draping I (3 credits)

15 lecture hours; 75 hours of combined lecture and laboratory

Prerequisites: FASH 101 or FASH 200, FASH 104

Lab fee

The basic methods of draping patterns on a form, a three-dimensional way of designing, are covered. Emphasis is also placed on further development of skills used in apparel construction.

FASH 204: Design by Draping II (3 credits)

15 lecture hours; 75 hours of combined lecture and laboratory

Prerequisite: FASH 203

Lab fee

Students are required to design and construct a group of garments that address problems relating to line development, style, fabric selection, and fit. Emphasis is placed on advanced methods of pattern design and apparel construction techniques.

FASH 205: Tailoring Techniques (3 credits)

15 lecture hours; 75 hours of combined lecture and laboratory

Prerequisites: FASH 104 or FASH 203

Lab fee

Students acquire fundamental skills for developing tailored garments with emphasis placed on styling, pattern-making, construction, and fitting of tailored garments.

FASH 206: Fashion Entrepreneurship (3 credits)

45 lecture hours

Prerequisites: None

Lab fee

This course provides an introduction to starting a fashion design or retail business. Topics include developing a business plan, defining target markets, product selection, operational issues, and starting an internet based business.

FASH 207: Fashion Show Production (3 credits)

15 lecture hours; 60 laboratory hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

In this course, the students focus on producing a fashion show including: preparing budgets, coordinating the models and clothing, selecting the music and lighting, writing the commentary, and designing the runway. The final project in this course is the Annual Fashion Show that is jointly sponsored by the class and the Apparel Technology Program.

FRENCH FR

FR 101: French Elements I (3 credits)

45 lecture hours

This course is the first of two, that help students develop basic proficiency skills in French. The thematic content instruction focuses on developing listening, comprehension, and basic speaking skills. Class activities include conversation, reading, translation, and basic writing, as well as instruction in various aspects of the culture of Frenchspeaking countries.

FR 102: French Elements II (3 credits)

45 lecture hours

Prerequisite: FR 101

Designed for those who have completed FR 101, this course continues instruction in the fundamentals of French, to help the student develop the skills to speak, read, and write French.

GERMAN GER

GER 101: German Elements I (3 credits)

45 lecture hours

This course is the first of two, that helps students develop basic proficiency skills in German. The language is learned in a thematic context, based on real-life situations. Listening, comprehension, and basic speaking skills are emphasized. Instruction includes reading, conversation, translation, and composition. Aspects of life in German-speaking countries are also presented.

GER 102: German Elements II (3 credits)

45 lecture hours

Prerequisite: GER 101

This course continues GER 101. Emphasis is on extending skills in spoken German within the context of real-life situations. More reading and writing are included in this course. Instruction includes reading, conversation, translation, and composition.

COURSE DESCRIPTIONS

HEALTH HEA

HEA 102: First Aid and Safety (1 credit)

30 lecture hours

This course is the Red Cross Standard Safety and First Aid course. Students are certified in CPR. Red Cross certificates are awarded upon successful completion. Possession of a current American Red Cross completion card fulfills the requirements of this course.

HEALTH AND LIFE FITNESS HLF

HLF 100: Life Fitness: Weight Training/Jogging/ Fitness (1 credit)

30 lecture/activity hours

Lab Fee

Fitness through the use of aerobic exercise is emphasized. Rhythmic calisthenics without apparatus, are done to music to improve the body's strength, suppleness, and balance. Weight training activities are suggested to enable the student to reach a new fitness level. Each student does a personal health history, and vital signs check-up. Contemporary issues in health are discussed.

HLF 135: Beginning Tennis (1 credit)

30 lecture/activity hours

Lab fee

Fundamental skills, rules, and "tennis talk" are emphasized.

HLF 138: Bowling (1 credit)

30 lecture/activity hours

Lab fee

The basic concepts, practices, and skills of bowling are surveyed. Emphasis is on skills, pin recognition, and scoring.

HLF 139: Limited Activities I (1 credit)

30 lecture/activity hours

Lab fee

This course is designed for students who have a medical disability. The student must have a documented report of a medical condition.

HLF 142: Weight Reduction (2 credits)

45 lecture/activity hours

Lab fee

Students gain knowledge of the basic concepts of weight control. Emphasis is on sound nutritional practices, a graduated series of physical fitness and aerobic exercises, and theories of behavior changes, as they relate to weight control.

HLF 143: Beginning Modern Dance I (2 credits)

30 lecture/activity hours

Lab fee

Modern Dance is taught in order to improve body strength, suppleness, and balance. Exercise through the use of modern dance techniques is stressed. Contemporary health and fitness issues are included.

HLF 160: Basketball (1 credit)

30 lecture/activity hours

Lab fee

The basic skills and team play of basketball are introduced.

HLF 166: Weight Training (1 credit)

30 lecture/activity hours

Lab fee

The basic skills of weight training and their effects on the body are taught.

HLF 167: Jogging (1 credit)

30 lecture/activity hours

Lab fee

This course familiarizes students with the various styles and techniques of running.

HLF 181: Aerobic Dance I (1 credit)

30 lecture/activity hours

Lab fee

Designed for fun and fitness, the dances are choreographed to be simple enough for the "nondancing" student, yet challenging enough to be stimulating.

HLF 182: Aerobic Dance II (1 credit)

30 lecture/activity hours

Lab fee

This course continues HLF 181. Although the dance routines are more strenuous than those in HLF 181, they continue to emphasize fun and fitness.

HLF 201: Personal and Community Health (3 credits)

45 lecture hours

Contemporary concerns in health science, including mental health, sexuality and reproduction, drugs and alcohol, physical fitness, nutrition, human development, and healthcare delivery systems are examined. Decision-making is emphasized.

HEA 205: Human Sexuality (3 credits)

Fulfills Category VI General Education Requirements

45 lecture hours

Health-focused perspectives on sexuality, based on psychological, physiological, and sociological concepts are explored. The information assists students with making informed sexuality-related choices. Content includes origins of sexuality, gender roles, relationships, reproductive and sexual health.

COURSE DESCRIPTIONS

HLF 210: Physical Fitness and Health (2 credits)

30 lecture hours

Students are provided with knowledge about the role of exercise, and a wellness approach to health and fitness. Assessment instruments are used to develop a personal physical fitness program. Participation in class discussions and fitness activities are included.

HLF 296: Golf (1 credit)

30 lecture/activity hours

Lab fee

The beginning golfer is provided with enough knowledge of fundamental strokes, rules, and etiquette to play on a golf course.

HEALTH INFORMATION TECHNOLOGY/CODING SPECIALIST HIT

HIT 120: Health Information Technology (4 credits)

30 lecture hours; 60 lab hours

Prerequisite: ENG 101, HIT 232

Lab fee

HIT 120 provides the student with orientation to the health records profession and health care delivery systems. Students will learn the uses, content and format of a health record in different health care settings. Health information, retention and retrieval systems, indices and registers will be studied. A simulated lab practice will be focused on the quantitative processing of a health record and techniques for filing, maintenance and acquisition of primary and secondary records. Many of the lab assignments will utilize computers.

HIT 124: ICD-10-CM Coding Principles and Practice (4 credits)

45 lecture hours; 30 lab hours

Prerequisites: AH 130; HIT 120; BIO 202

Lab fee

This course will introduce the student to the ICD-10-CM classification system with an emphasis on the correct process of utilizing the alphabetic index and tabular list for code assignment. The focus will be on rules, conventions, instructions of ICD-10-CM as well as the chapter specific guidelines, including criteria for assignment of principle and additional diagnoses in all applicable patient settings will be addressed.

HIT 130: Health Information Practicum I (2 credits)

45 professional practice hours

Prerequisites: HIT 120; HIT 232

Students apply skills gained in HIT 120 and acquire additional competency in health record analysis, completion, and maintenance. This course includes computer applications in MPI, chart control, and patient registration. Forty-five hours are spent in an acute care health facility.

HIT 132: CPT-4 Coding Principles and RVUs/APCs (2 credits)

15 lecture hours; 30 lab hours

Prerequisites: AH 130; BIO 202; HIT 120; or permission of instructor

Lab fee

Orientation is provided to the coding principles of CPT-4. Ambulatory surgery, emergency room, clinics, and physician office use of CPT-4, are emphasized. Lab includes coding from records, and use of the computer encoder and APC grouper.

HIT 226: Coding Practicum II (3 credits)

15 lecture hours; 60 lab hours

Prerequisite: HIT 124

Corequisites: HIT 132 and HIT 240 or permission of the instructor

Lab fee

HIT 226 provides the practice in student coding medical records on inpatients as well as ambulatory surgery, emergency room, long term care and psychiatric patients. Students will gain additional experience with the DRG grouper.

HIT 231: Health Information Practicum II (1 credit)

45 professional practice hours

Prerequisite: HIT 120, HIT 232

HIT 231 provides the student with 45 hours of professional practice experiences in all phases of health record practice in a health care facility offering three different types of alternative health care settings such as an HMO, long-term care, psychiatric, rehabilitative, or specialty facility. Other types of agencies that may be used are insurance companies, physician offices, software companies or other vendors who service the healthcare community. Student applies all the health record skills learned and meets the competency requirements of the course.

HIT 232: Computer Applications in Healthcare (2 credits)

15 lecture hours; 30 lab hours

Prerequisites: HIT 120

Lab fee

Passing this course with a "C" or better fulfills the College's Computer Literacy Requirement.

Students are oriented to computer applications in the healthcare system. Topics include information systems, the electronic health record, and software packages. The course includes hands-on laboratory experience with database conversions, revenue cycle software, physician practice electronic health record, hospital and physician based transcription application, and more. Hands-on computer experiences are emphasized.

COURSE DESCRIPTIONS

HIT 241: Advanced ICD-10-CM/DRGs and DSM V-TR Coding (2 credits)

15 lecture hours; 30 lab hours

Prerequisites: HIT 123; BIO 202

Lab fee

Offers an orientation to the Advance Coding Principles and practices of International. Coding practices in hospitals, long-term care facilities, and physicians' offices are reviewed. The laboratory provides experience in using the patient's record to code. Medical, surgical, obstetrical, newborn, psychiatric, ambulatory surgery and emergency room records are utilized. Students are introduced to computer input on encoders and groupers.

HIT 251: Healthcare Management and Supervision (3 credits)

30 lecture hours; 30 lab hours

Prerequisite:

HIT 120 or permission of the instructor based on student experience in a healthcare agency or other healthcare program, and completion of one clinical affiliation.

Lab fee

Passing this course with a "C" or better fulfills the College's Computer Literacy Requirement.

This course presents an introduction to management functions and principles as they apply to healthcare supervision at the first and second level of management. Simulated laboratory practice includes case studies and role-playing; conducting in-service training, interviews and counseling sessions; and writing job descriptions, procedures, equipment justifications, and reports. Microsoft Word, Excel, Publisher and PowerPoint software is used in this course.

HIT 252: Clinical Quality Assurance and CQI (3 credits)

30 lecture hours; 30 lab hours

Prerequisite: HIT 130 or permission of the instructor

Lab fee

This course provides orientation to the concepts and methodologies of quality assurance, utilization review and risk management, total management quality (TMQ), continuous quality improvement (CQI), and their operation in facilities. The presentation of data, the tumor registry, and the role of a healthcare information technician in abstracting tumor data for statistical analysis and evaluation is also presented. Microsoft Office Suite (Word, PowerPoint, Excel) software is used in lab assignments.

HIT 262: Electronic Health Record (Formerly Health Information Practicum IV) (2 credits)

Prerequisite: HIT 232; HIT 120

HIT 262 Electronic Health Record provides a thorough introduction to the history, theory, and potential benefits of the electronic health record (EHR). The combination of text and EMR software provide a complete learning system. Hands on exercises provide practical experience that leads to an understanding and a level of comfort with computerized medical records that can be applied directly to the healthcare workplace. Critical thinking and hands on exercises build confidence by allowing students to apply what they have learned.

HISTORY H

H 101: History of American Civilization I (3 credits)

Meets Category II General Education Requirements

45 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

The settlement of America and its people, from the Age of Exploration, to the conclusion of the Civil War, is surveyed. Major political, economic, and social trends are included in the survey.

H 102: History of American Civilization II (3 credits)

Meets Category II General Education Requirements

45 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

The emergence of America as a major industrial and world power, from the post-Civil War era, to modern times, is traced. Major political, economic, and social trends are included.

H 110: History of African American Civilization I (3 credits)

Meets Category II General Education Requirements

45 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

The history of the African people from the anthropological origins of humankind, through ancient and medieval African history, to the colonial experience in the Americas, up to the mid-19th century is traced.

H 111: History of African American Civilization II (3 credits)

Meets Category II General Education Requirements

45 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

The African-American historical experience from 1860 to the present, is studied. This part of the survey includes a detailed study of the economic, social, cultural, and political life of African-Americans in the United States.

COURSE DESCRIPTIONS

H 151: World History I (3 credits)

*Meets Category II General Education Requirements
45 lecture hours*

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

World culture from prehistoric times, through the Renaissance, is surveyed.

H 152: World History II (3 credits)

*Meets Category II General Education Requirements
45 lecture hours*

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

World development is surveyed from the Protestant Reformation, to modern times.

HUMANITIES HUM

HUM 202: Survey of Art, Literature, and Music (3 credits)

*Meets Category VI General Education Requirements
45 lecture hours*

Prerequisite: ENG 101 or appropriate ACCUPLACER scores

The interrelationships of art and music, including African and Eastern influences, are introduced. Historical perspective is provided by a preliminary investigation of selected social, political, and artistic current events. The interrelationships among these areas and their significance to contemporary life are emphasized. Class trips to local museums are included.

HUM 204: Work and Culture: Image and Ethic (3 credits)

45 lecture hours

Prerequisite: ENG 101 or appropriate ACCUPLACER scores

This interdisciplinary course is designed to introduce students to the relationships between technology and work, and how these relationships are reflected in the art, music, drama, and literature of a variety of Western and non-Western cultures. Students develop an understanding of how the introduction of technology, changed the distribution of labor, and, subsequently, work ethics and management/employee relationships as reflected in the fine and applied arts. Topics discussed include: the historical development of the division of labor (with an analysis of this division by race, gender, class, and ethnicity); the impact of automation on the redistribution of labor (from manufacturing to service industries) in the more industrialized countries; and work songs as a measure of the work ethic.

HUM 205: Literature and Healing: Moral, Ethical, and Legal Implications (3 credits)

*Meets Category VI General Education Requirements
45 lecture hours*

Prerequisite: ENG 101 or appropriate ACCUPLACER scores

This course offers students the opportunity to access and to analyze moral and ethical principles which apply to different health-related issues expressed in literary works. Issues such as patient abuse, mental illness, highly infectious viral diseases, depression, physical diseases, death, and other related issues will be considered from the practical perspective of literature, psychology and philosophy students as well as students in the biotechnology and allied health fields. These specific issues will be presented through the study of novels, books, and articles from which principles and dilemmas regarding the content may have evolved as well as the critical and analytical study of literary selections in which these issues are evident.

HUM 206: The City: Center of Civilization (3 credits)

45 lecture hours

Prerequisite: ENG 101 or appropriate ACCUPLACER scores

The role of the city in the development of civilization (particularly Western civilization) is explored. The social, economic, and political forces that shaped cities are examined from the perspectives of the social sciences, and as portrayed in the arts and literature. A Baltimore case study is included.

HUM 207: Creation: Myths and Theories (3 credits)

*Meets Category VI General Education Requirements
45 lecture hours*

Prerequisite: ENG 101 or appropriate ACCUPLACER scores

This comparative study of the myths and theories of creation, examines people's beliefs about the origins of the world, their meaning, and the development of cultural traditions based on those beliefs. The course also provides an opportunity to study the development of scientific theories of creation, as an outgrowth of man's technological development.

HUM 208: Technology in Literature (3 credits)

45 lecture hours

Prerequisite: ENG 101 or appropriate ACCUPLACER scores

The past, present, and future implications of technology are discussed. Reading and discussing novels, short stories, poems, essays, and films, probe the ethical and moral responsibilities of those involved in technological occupations.

COURSE DESCRIPTIONS

INDEPENDENT STUDY IDS

Independent Study enables a student who meets certain criteria to earn credit independent of a classroom setting for a specific course described in the Catalog. Students are expected to complete their programs through the normal schedule of courses. However, students in their last semester are permitted to apply to take a required course as Independent Study, provided that all the following conditions have been met.

1. The student is in his/her last semester.
2. The student is required to complete the particular course in order to complete a degree or certificate program.
3. The course is not offered in the semester schedule, or the time conflicts with another course the student needs to take.
4. No appropriate course substitution can be found.
5. The Independent Study is approved on the Independent Study Form by the respective Dean and Vice President for Academic Affairs.

INDIVIDUAL STUDY IS

These courses enable talented students to earn credit in certain disciplines through special projects, research, creative work, internships, or other means of independent academic pursuit, without conforming to the restrictions of a traditional classroom setting. Individual study credit may be earned only for a course that deals with content not included in an existing BCCC course. Individual study is different from and should not be confused with, independent study.

To earn Individual study credit, students must first submit a proposal in which they explain in detail, the project for which credit is desired. Proposals may be submitted at any time during the academic year, and proposal forms are available from Associate Deans. Often students prepare the proposal in consultation with the BCCC instructor, who will subsequently supervise and evaluate the actual work. The proposal must be approved by both the appropriate Associate Deans and the supervising instructor. After approval is granted, students must register and pay the normal tuition and fees before beginning the work. The number of credits to be earned for an individual study project depends upon the scope of the endeavor and shall be stated as part of the initial proposal. No more than six credits earned through individual study may be used towards the Associate's degree. For further information, contact the Associate Dean of the department in which individual study is desired.

LABORATORY SKILLS LSS

LSS 101: Laboratory Communication Skills (3 credits)

45 lecture hours

This course is designed to introduce students to proper laboratory management in correspondence using email, telephone and journal formats. Software applications, journal reading, writing, and presentations will also be addressed. Journal papers will be assigned individually to address the area of concentration. Basic terminology used in biomedical labs will be introduced.

LSS 102: Laboratory Math, Computer Skills and Informatics (3 credits)

45 lecture hours

This course is designed to teach students how to (1) master mathematics for preparation of solutions and dilutions, and other science related procedures; (2) use Excel and computer network for laboratory applications; and (3) use search engines and biomedical research databases to locate subject specific information.

LSS 103: Laboratory and Sterilization Management (3 credits)

45 lecture hours

This course is designed to teach students how to (1) perform day-to-day organization and management of biomedical laboratories; (2) apply proper Standard Operation Procedures (SOPs) and Good Laboratory Practices (GLPs) for upkeep of asepsis in biomedical laboratories and cleaning and sterilization of glassware; and (3) handle records and documentation in biomedical laboratories.

LSS 105 Introduction to Lab Animal Science (3 credits)

45 lecture hours

This course is designed to prepare students to work with lab animals by teaching them about lab animal science topics such as animal health, regulations, animal anesthesia, animal euthanasia, etc

LEGAL ASSISTANT PLA

PLA 101: General Law I (3 credits)

45 lecture hours

Corequisite: ENG 101

This course is a prerequisite to all other PLA courses. Students are introduced to the content of common and statutory law and common legal terminology.

COURSE DESCRIPTIONS

PLA 106: Legal Writing (3 credits)

45 lecture hours

Prerequisites: PLA 101 and ENG 101

The principles and processes used in the preparation of selected materials, frequently required in professional legal settings, are presented. The course provides instruction and practice in preparing letters, court pleadings, operative documents, and office memorandum. The course does not address the drafting of complex legal documents.

PLA 107: Office Practice and Ethics (3 credits)

45 lecture hours

Corequisite: PLA 101

This course introduces the student to different legal structures, used by law firms and surveys standard procedures used in law offices, including accounting methods, time keeping, and billing. The course also covers ethical principles applicable to attorneys and legal assistants, including study of ABA Rules of Professional Responsibilities, Maryland Court Rules, and NALA and NFPA guidelines.

PLA 190 Series: Special Topics in Legal Administration

These courses are designed to meet special needs of agencies and groups. Faculty and the group requesting the course develop topics cooperatively. Students may take more than one special topics course as long as the topics differ. A maximum of six credits may be used toward graduation.

PLA 193: Special Topic: Environmental Law (2 credits)

30 lecture hours

Prerequisite: PLA 101

Corequisite to be set by Legal Assistant Program Coordinator

The relatively young and dynamic field of environmental law, is the focus of this course. Students are exposed to the array of laws, which fall under the rubric of "environmental law," with special emphasis on Federal statutes and regulations.

PLA 194: Special Topic: Constitutional Law (2 credits)

30 lecture hours

Prerequisite: ENG 101 and PLA 101

This course is designed to give students an in-depth understanding of the United States Constitution, and the U.S. Supreme Court, both from a historical and judicial perspective, through the use of assigned readings and classroom exercises. There will be an emphasis on the landmark cases over the last two centuries, the current trends of the Court, and the general principles of Constitutional Law. Judicial process and terminology will be discussed in the context of the historical development, and sociological role of our legal system.

PLA 196: Special Topic: Employment Law (3 credits)

45 lecture hours

Prerequisite: PLA 101

Corequisites to be set by Legal Assistant Program Coordinator

Procedural and substantive employment-related law at the State and Federal levels is studied. Students become familiar with the kinds of legal documents generated in an employment law practice, with the role of the paralegal in employment and discrimination law, and with the skills necessary to assist an attorney practicing before a State or Federal administrative agency.

PLA 197: Special Topic: Communications Law (2 credits)

30 lecture hours

Prerequisite: PLA 101

Corequisites to be set by Legal Assistant Program Coordinator

The major issues in mass communications law today are examined. Topics include regulatory frameworks for broadcasting and cable television, and proposed alternative schemes; public access to different media; libel and invasion of privacy; and regulation of obscene and indecent material.

PLA 203: Practicum (3 credits)

15 lecture hours; 90 practice hours

Prerequisite: PLA 101 and PLA 107; or permission of the Legal Assistant Program Coordinator

This course requires that students spend six hours per week in areas where law-related activities are being conducted.

PLA 204: General Law II (3 credits)

45 lecture hours

Prerequisite: PLA 101

This course presents advanced study of constitutional, labor, and administrative law. This course is designed to enable the student to gain additional perspective on the legal system as a whole, by viewing it from the particularities of its individual parts. The law is presented as a complex "amorphous" or "living" entity, capable of change, growth, and upheaval-yet capable of effecting continuing standards of justice and fair play. Students study the functioning of stare decisis systems and the effective use of both case precedent and statutory interpretation. Students also examine the philosophical and historical formation of the law. The course focuses on the complex inter-relationship of the judicial, executive, and legislative branches of government, and the inherent difficulties of the process of growth within the structure.

COURSE DESCRIPTIONS

PLA 248: Torts (3 credits)

45 lecture hours

Prerequisite: PLA 101

This course examines the law of imposed liability, liability for harm to person or property, intentional torts, negligence and gross negligence, nuisance, strict liability, products liability, defamation, invasion of privacy, causation, contributory negligence, comparative negligence, elements of damages for torts, and liability of property owners.

PLA 249: Criminal Procedure for the Legal Assistant (3 credits)

45 lecture hours

Prerequisite: PLA 101

The various procedures and forms necessary to assist an attorney in a criminal case are covered. Emphasis is given to such topics as interviewing potential clients and witnesses and fact investigation. Topics include crimes and offenses; criminal procedures and Constitutional guarantees concerning arrest, searches and seizures, interrogation, lineups, right to counsel, pre-trial release, preparation for trial; and post-conviction procedure.

PLA 254: Legal Specialty: Administrative Law (3 credits)

45 lecture hours

Prerequisite: PLA 101

Administrative law concepts and practice by paralegals before both State and Federal administrative agencies are covered. Students focus on document preparation for two or more specific agencies, at least one at each level.

PLA 256: Legal Specialty: Family Law (3 credits)

45 lecture hours

Prerequisite: PLA 101

The substantive law of marriage and divorce, adoption, guardianship, TANF, and child support in Maryland is discussed. Emphasis is on Maryland rules and procedures, and the document preparation and other assignments a legal assistant would be expected to know or perform, under the supervision of a family law practitioner.

PLA 257: Legal Specialty: Litigation (3 credits)

45 lecture hours

Prerequisite: PLA 101

Students examine civil litigation, including substantive law concepts and the applicable Maryland rules, with an emphasis on the pre-trial and post-trial work done by legal assistants under the supervision of an attorney.

PLA 259: Estates and Trusts (3 credits)

45 lecture hours

Prerequisite: PLA 101

The basic legal principles and paralegal skills related to estate administration and probate procedures, as well as trust creation and administration, are explored in this introductory course in estates and trusts. In addition to drafting considerations related to wills and trust documents, students become familiar with the Federal and State tax filings necessary to the administration process.

PLA 260: Business Organizations (3 credits)

45 lecture hours

Prerequisite: PLA 101

This course presents the substantive law of business organizations, including sole proprietorship, various partnerships, and corporations. In addition, the course emphasizes document preparation routinely done by legal assistants, including information that is necessary to form a Maryland corporation.

PLA 261: Real Property (3 credits)

45 lecture hours

Prerequisite: PLA 101

This course covers basic real estate principles and procedures, including legal descriptions, title and ownership, transfer and finance, basic taxation principles, appraisal, and closing procedures. Emphasis is on documents used in Maryland.

PLA 262: Mediation and Arbitration (3 credits)

45 lecture hours

Prerequisite: PLA 101 or permission of the Legal Assistant Program Coordinator

Basic mediation skills are taught. The course begins by examining the nature of conflict and the methods used by individuals and society to resolve conflicts between and among individuals. Mediation and arbitration are then introduced as methods of conflict resolution. Students first prepare to be mediators by examining their own biases. In addition to this self-examination, cultural differences in communication are examined.

PLA 267: Maryland Pleadings and Practice (3 credits)

45 lecture hours

Prerequisite: PLA 101

This course is designed to give students an in-depth understanding of the Maryland state and federal court systems, through a series of field trips, mock filings of pleadings, and drafting assignments. Students will visit the District Court of Baltimore City, the Circuit Court for Baltimore City (criminal, civil and juvenile sections), an administrative agency, and the U.S. Bankruptcy Court. In a variety of forums, students will attend hearings, where feasible, and also prepare a trial portfolio of mock pleadings, discovery documents, motions, and service documents on their assigned case.

COURSE DESCRIPTIONS

MANAGEMENT MGMT

MGMT 102: Principles of Supervision (3 credits)

45 lecture hours

Management functions and principles applicable to the supervisory level of management are introduced. Leadership skill, teamwork, and customer satisfaction are emphasized. This course is designed for those who want to become supervisors or want to improve their present levels of supervisory skills and knowledge. Extensive use of role-playing and the case study method are employed to give students a chance to apply the principles and techniques of supervision as they apply in different situations.

MGMT 170: Small Business Management (3 credits)

45 lecture hours

Designed for people starting, operating, or managing a small business, this course gives an overview of entrepreneurship, management of an on-going business, launching a new venture, and preparation of a business plan. Market research and customer satisfaction are emphasized. Case study, role-playing, and guest lecturers from the business community supplement text material.

MGMT 180: Personal Financial Management (3 credits)

45 lecture hours

Prerequisite: MAT 82

Students are introduced to the principles of financial planning, and the resources necessary to achieve financial success. The financial planning process includes budgeting, cash management, using credit cards, borrowing, tax management, major expenditures, risk management, investments, and retirement and estate planning. After completing this course, students understand the importance of establishing financial goals, and the steps in the financial planning process.

MGMT 219: Human Resource Management (3 credits)

45 lecture hours

Prerequisite: MGMT 222 or permission of the program Coordinator/Associate Dean of Business and Technology Department

This course is designed to analyze the techniques used to successfully manage a Human Resources Department. Employment needs, recruitment, hiring, training, motivating, performance appraisal, compensation, labor relations, and diversity, are some of the major responsibilities of the Human Resources Department covered in this course. Students must complete case studies, short library research projects, and a major research project.

MGMT 222: Principles of Business Management (3 credits)

45 lecture hours

Prerequisite: BUAD 100 or permission of the program Coordinator/Associate Dean of Business and Technology Department

Basic management principles and procedures used in modern businesses are introduced. Areas studied include planning, organizing, leading, controlling, and understanding principles of quality. Employee relations and continuous improvement are emphasized throughout the semester. Case studies are used to develop decision-making skills, and to provide practical background in management techniques.

MGMT 229: Principles of Leadership (3 credits)

45 lecture hours

Prerequisite: MGMT 222 or permission of the program Coordinator/Associate Dean of Business Department

Leadership as an art that can be learned, is the focus of this course. The relationship between management and leadership is explored. Vision, creativity, and the ability to influence the behavior of followers toward the accomplishment of a common goal are some of the crucial qualities and skills necessary for a successful leader. Case studies, role-playing, and team assignments are used to give students a chance to use leadership skills. Business leaders from the community are invited, and guest speakers who share their experiences with students. Each student is required to prepare a report comparing the leadership style of a business leader and a leader from a non-business organization.

MARKETING MKTG

MKTG 210: Retailing (3 credits)

45 lecture hours

Prerequisite: MKTG 223 or permission of the program Coordinator/Associate Dean of Business and Technology Department

This course covers retailing and its role in distribution, problems of administrative organization, store layout, location, buying, pricing, merchandising, sales promotion, and current trends in retailing. Quality management and customer satisfaction are emphasized. The case study method is used.

MKTG 211: Advertising (3 credits)

45 lecture hours

Prerequisite: MKTG 223 or permission of the program Coordinator/Associate Dean of Business and Technology Department

Advertising in modern business is examined with emphasis on historical, social, and economic development of the field. Stress is on the psychological and creative factors involved in advertising as well as the relationship of advertising to overall marketing strategy. The case study method is used.

MKTG 212: Principles of Selling (3 credits)

45 lecture hours

Prerequisite: MKTG 223 or permission of the program Coordinator/Associate Dean of Business and Technology Department

The nature of personal selling, its fundamentals and requirements, is analyzed. Emphasis is placed on the development of creative thinking and natural self-expression, with opportunity provided for practicing the techniques of selling. Buyer motivation and buying theories are also stressed.

MKTG 223: Marketing (3 credits)

45 lecture hours

Prerequisite: BUAD 100 or permission of the program Coordinator/Associate Dean of Business and Technology Department

Marketing is introduced as a basic philosophy that stresses the coordination of activities to satisfy the needs of societies. The marketing principles and strategies studied relate to the activities of product planning, pricing, promotion, and distribution. Case study and role-playing are used. Each student is required to prepare a marketing plan.

MATHEMATICS MAT

MAT 80: Arithmetic: Concepts and Applications (0 credits)

45 lecture hours; A,B,C,F grade; considered 3 semester hours for billing and scheduling purposes

Prerequisite: ACCUPLACER test

Fractions, decimals, ratios and proportions, and percentages are studied. Topics include basic calculations and word problems. The course also examines basic concepts in geometry. Real world application as related to Arithmetic are stressed throughout the course.

MAT 86 - Integrated Pre-Algebra and Introductory Algebra (0 credits)

75 lecture hours; A, B, C, F grades; considered 5 semester hours for billing and scheduling purposes

Integrated Pre-Algebra and Introductory Algebra covers fractions; decimals; exponents; percent; real numbers and algebraic expressions; solving and graphing linear equations; polynomials; and factoring. Word problems and the use of calculations to solve them are stressed throughout the course.

MAT 87M: Integrated Elementary & Intermediate Algebra (0 credits)

75 lecture hours; A, B, C, F grades; considered 5 semester hours for billing and scheduling purposes

Prerequisite: Successfully complete MAT 80 with an A or B within a one year period; Students who recently (within one year) failed and need to repeat MAT 91; students whose ACUPLACER placement score on Elementary Algebra falls within the range 52-62.

This course is specifically designed for non-STEM majors. This course will be a pre-requisite for MAT 107, MAT 113, or MAT 114. For all other college math courses, students will need to complete the traditional or modular developmental course sequence. MAT 87M combines the content of Elementary and Intermediate Algebra to provide a review of signed numbers, algebraic expressions, linear equations, applications of linear equations, inequalities and graphing, exponents, polynomials, special products, factoring, quadratic equations, application of quadratic equations, roots and radicals.

MAT 91: Elementary Algebra (0 credits)

60 lecture hours; A,B,C,F grade; considered 4 semester hours for billing and scheduling purposes

Prerequisites: MAT 80 or appropriate ACCUPLACER score

MAT 91 Traditional Elementary Algebra meets for 4 contact hours per week, and counts as 4 billable hours. However, it is a 0 credit course. It does not count toward graduation. MAT 91 covers the following topics: real numbers and operations on real numbers; absolute value; evaluations; grouping symbols; combining like terms; linear equations in one and two variables; literal equations; laws of exponents; scientific notation; graphs of linear equations in two variables; and finding equations of a line given slope and y-intercept, slope and a point, or two points. A discussion of slopes of parallel and perpendicular lines is presented. Operations on polynomials, factoring, and solutions to quadratic equations by factoring are also covered. Word problems and the use of calculators to solve them are stressed throughout the course.

COURSE DESCRIPTIONS

MAT 91M: Modular Elementary Algebra (0 credits)

60 lecture hours; A,B,C,F grade; considered 4 semester hours for billing and scheduling purposes

Prerequisites: MAT 80 or appropriate ACCUPLACER score

MAT 91M Modular Elementary Algebra meets for 4 contact hours per week, and counts as 4 billable hours. However, it is a 0 credit course. It does not count toward graduation. A modularized curriculum is identified as a key strategy in order to offer shorter, more tailored math segments that enable students to save time by only completing modules that address their math deficiencies. This program allows students to progress more quickly (or slowly) through self-pace modules that include online and instructor support in a computer lab. Students complete a pre-assessment for each chapter within the module to determine modular work and a comprehensive departmental final exam is administered after completing the last module. The MAT 91M curriculum for the self-paced modular Elementary Algebra course is divided into four modules, which cover the following topics: real numbers and operations on real numbers; absolute value; evaluations; grouping symbols; combining like terms; linear equations in one and two variables; literal equations; laws of exponents; scientific notation; graphs of linear equations in two variables; and finding equations of a line given slope and y-intercept, slope and a point, or two points. A discussion of slopes of parallel and perpendicular lines is presented. Operations on polynomials, factoring, and solutions to quadratic equations by factoring are also covered. Word problems and the use of calculators to solve them are stressed throughout the course. MAT 82: Intermediate Algebra (0 credits)

MAT 92: Intermediate Algebra

60 lecture hours; A,B,C,F grade; considered 4 semester hours for billing and scheduling purposes

Prerequisites: MAT 91 or MAT 91M, or appropriate ACCUPLACER score

MAT 92 Traditional Intermediate Algebra meets for 4 contact hours per week, and counts as 4 billable hours. However, it is a 0 credit course. It does not count toward graduation. MAT 92 covers operations on algebraic expressions; variation; rational equations; irrational equations; solutions to quadratic equations by completing the square, by the square root property, and by the quadratic formula; and solutions of quadratic inequalities. Absolute value equations and inequalities and finding equations of straight lines meeting specific criteria are emphasized. Graphs of linear inequalities in two variables, of linear inequalities in one variable, and of parabolas are also included. Functions and real world applications of them are emphasized throughout the course.

MAT 92M: Modular Intermediate Algebra

60 lecture hours; A,B,C,F grade; considered 4 semester hours for billing and scheduling purposes

Prerequisites: MAT 91 or MAT 91M, or appropriate ACCUPLACER score

MAT 92M Modular Intermediate Algebra meets for 4 contact hours per week, and counts as 4 billable hours. However, it is a 0 credit course. It does not count toward graduation. A modularized curriculum is identified as a key strategy in order to offer shorter, more tailored math segments that enable students to save time by only completing modules that address their math deficiencies. This program allows students to progress more quickly (or slowly) through self-pace modules that include online and instructor support in a computer lab. Students complete a pre-assessment for each chapter within the module to determine modular work and a comprehensive departmental final exam is administered after completing the last module. The MAT 92M curriculum for the self-paced modular Intermediate Algebra course is divided into four modules, which cover the following topics: operations on algebraic expressions; variation; rational equations; irrational equations; solutions to quadratic equations by completing the square, by the square root property, and by the quadratic formula; and solutions of quadratic inequalities. Absolute value equations and inequalities and finding equations of straight lines meeting specific criteria are emphasized. Graphs of linear inequalities in two variables, of linear inequalities in one variable, and of parabolas are also included. Functions and real world applications of them are emphasized throughout the course.

MAT 107: Modern Elementary Statistics (3 credits)

Meets Category IV General Education Requirements

45 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

Modern statistical methods with applications to the social and natural sciences are studied. The course focuses on descriptive statistics, probability, probability distributions, and estimation of statistical parameters from samples, hypothesis testing, and experimental design. It provides necessary statistical background for people interested in such diverse fields as psychology, sociology, computers, business, engineering, mathematics, and science.

COURSE DESCRIPTIONS

MAT 113: Mathematical Concepts I (4 credits)

45 lecture hours/30 lab hours

Prerequisites: MAT 82 or MAT 92; ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

This course is intended primarily for teacher education majors. The focus of this course will be on introducing fundamental mathematical concepts through problem solving. The topics included are logic, sets, elements of number theory, and revisiting arithmetic of real numbers from the perspective of various algorithms, why they work, and their applications. Students will explore algorithms and problem solving strategies through the use of manipulatives and numerous hands-on activities. Critical thinking skills will be emphasized throughout the course.

MAT 114: Mathematical Concepts II (4 credits)

45 lecture hours/30 lab hours

Prerequisites: MAT 82 or MAT 92; ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

This course is primarily intended for teacher education majors. The focus of this course will be on descriptive statistics, including data collection, measures of center and spread, data display, probability and simulations, and analyzing patterns and functions. The course will emphasize problem solving techniques throughout, with an emphasis on using technology appropriately.

MAT 115: Dynamic Geometry (4 credits)

Meets Category IV General Education Requirements

45 lecture hours; 30 lab hours

Prerequisites: MAT 82; ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

In this course, students have the opportunity to learn geometric principles using the dynamic software Geometer's Sketchpad. Topics include inductive reasoning; terms and definitions of the building blocks of geometry; geometric constructions; angle relationships; circles; transformations and tessellations; area; volume and surface area; the Pythagorean Theorem; and similarity. In addition, algebra is used as a tool for summarizing information from patterns and for writing geometric definitions in appropriate mathematical language.

MAT 125: Finite Mathematics (3 credits)

Meets Category IV General Education Requirements

45 lecture hours

Prerequisites: MAT 82 or MAT 92; RENG 92 or appropriate course waivers or ACCUPLACER scores

Topics useful to students in business and social sciences are covered with an emphasis on applications rather than theory. Topics include sets, the Cartesian coordinate system, functions and graphs, exponents and logarithmic functions, systems of linear equations and matrices, linear inequalities and linear programming, including the simplex method, probability, including conditional probability and Bayes' formula, and probability distribution.

MAT 127: College Algebra and Trigonometry (4 credits)

60 lecture hours

Prerequisites: MAT 87M or MAT 92; ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

More advanced topics in Algebra and Trigonometry are presented, including linear modeling, theory of functions and graphs, polynomial, exponential, and logarithmic functions, systems of linear equations and determinants, trigonometric functions and graphs, and triangle trigonometry.

MAT 128: Precalculus I: College Algebra (4 credits)

Meets Category IV General Education Requirements

60 lecture hours

Prerequisites: MAT 82; ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

More advanced topics in algebra including functions and their graphs, inverse functions, polynomial, rational, exponential, and logarithmic functions, systems of linear and non-linear equations and inequalities are emphasized.

MAT 129: Precalculus II: Trigonometry and Analytic Geometry (4 credits)

Meets Category IV General Education Requirements

60 lecture hours

Prerequisite: MAT 128 or appropriate ACCUPLACER score

This course is the second in the two-semester sequence of precalculus courses. It is intended for students who are on a calculus track and for whom college algebra is not the last mathematics course. The course focuses on trigonometry and analytic geometry. Topics include trigonometric functions and their graphs, right angle and oblique triangle trigonometry, applications of trigonometry, trigonometric equations, inverse trigonometric functions, addition, subtraction and multiple-angle formulas, De Moivre's theorem, the conic sections (parabolas, ellipses, and hyperbolas), parametric equations, polar coordinates. This course includes a discussion of sequences and series. A graphing calculator is required.

MAT 140: Calculus I (4 credits)

Meets Category IV General Education Requirements

60 lecture hours

Prerequisite: MAT 129 or appropriate ACCUPLACER score

Differential calculus is covered with an introduction to antidifferentiation and the definite integral. Topics include limits, continuity, the derivative, implicit differentiation, differentials, curve sketching, inverse functions, logarithmic and exponential functions, and laws of growth and decay.

COURSE DESCRIPTIONS

MAT 141: Calculus II (4 credits)

Meets Category IV General Education Requirements

60 lecture hours

Prerequisite: MAT 140 or appropriate ACCUPLACER score

This course focuses on integral calculus. Topics include applications of the definite integral (volumes, work, length of arc, centroids), techniques of integration, inverse trigonometric functions and hyperbolic functions, mean value theorem of integration, improper integrals, and infinite series.

MAT 199: Individual Study in Mathematics

See IS-Individual Study, p. 121.

MAT 210: Advanced Calculus (4 credits)

60 lecture hours

Prerequisite: MAT 141

This course focuses on advanced concepts in calculus. Topics include vectors in three dimensions, partial differentiation, unconstrained and constrained optimization, multiple integration, and vector field theory.

MAT 211: Differential Equations (4 credits)

60 lecture hours

Prerequisite: MAT 141

Differential equations are introduced. Topics include first order differential equations, linear differential equations, applications of linear differential equations, the Laplace Transform, and systems of differential equations.

MAT 212: Linear Algebra (4 credits)

60 lecture hours

Prerequisite: MAT 141

The theory and applications of linear algebra are introduced. Topics include linear systems, matrices, determinants, vector spaces, orthogonality, eigenvalues and eigenvectors, and linear transformations.

MAT 219: Discrete Mathematics (3 credits)

Meets Category IV General Education Requirements

45 lecture hours/seminar hours

Prerequisite: MAT 129

This course is designed for students in mathematics or computer science, as well as for any student who wishes to gain a broad background in mathematics. Topics include sets and logic, different methods of proof and elementary number theory, matrices and graphs, as well as algorithm design.

MUSIC MUS

MUS 100: Introduction to Music Fundamentals (3 credits)

30 lecture hours, 30 lab hours

An introductory course in how to read, write, and understand the basic elements of music. Instruction comprises the staff, clefs, signatures, notation, rhythms, and definitions, including some ear training, sight singing and dictation. No previous musical experience is required. Arts/Science for Transfer Students: Pre-100 and CLT-100 are program requirements for graduation.

MUS 101: Theory of Music I (3 credits)

45 contact hours

Corequisite: MUS 191

Students study harmonic practices and techniques as well as training in rhythmic, melodic and harmonic elements of music. Ear training and sight singing exercises are integrated.

MUS 102: Theory of Music II (3 credits)

30 lecture hours, 30 lab hours

Prerequisite: MUS 101

An emphasis in part-writing, ear training, sight singing, dictation and keyboard harmony. Part-writing includes the use of phrase structure, cadences and harmony progression techniques. Dictation focuses on minor scale passages, intervals of fifths-through-the-octave, and the use of 1/16's noted in rhythmic divisions.

MUS 103: Music Appreciation (3 credits)

Meets Category I General Education Requirements

45 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

Music history and literature are surveyed from 1750 to the present with emphasis on listening to selected masterpieces.

MUS 105: Rock, Jazz, and Other Music of Our Times (3 credits)

Meets Category I General Education Requirements

45 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

The development of American jazz, rock, and other musical forms is traced from their inception to the present day with focus on all the important style periods of both vocal and instrumental music.

MUS 106: An Introduction to African and African American Music (3 credits)

Meets Category I General Education Requirements

45 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

Course traces traditional African music to the music of Europe and America. The contributions of African American composers are presented and analyzed.

COURSE DESCRIPTIONS

MUS 117: Voice I (2 credits)

30 lecture hours, 30 lab hours

A class instruction in singing for students without previous vocal training. Emphasis is on beginning vocal technique, music reading, and performance.

MUS 123: Piano I (2 credits)

30 lecture hours

Introductory class in beginning and basic keyboard harmony for students without previous experience. Emphasis is on beginning piano technique, music reading, and performance.

MUS 128, 129, 130, 131: The BCCC Chorus (1 credit)

45 lab hours (each)

A four-course sequence concentrating on the study and performance of great choral music. The chorus is open to all students subject to the director's approval. Students are expected to participate in choir performances on and off campus. Each course may be taken in sequence for a total of 4 credits.

MUS 132: Band I - IV (1 credit)

30 lecture hours; 30 lab hours

Individualized instruction in instrumental performance, in conjunction with the Frederick Douglass High School Jazz Band program, is provided. The jazz band is open to all students who have some instrumental skills, subject to the director's approval.

MUS 140: Applied Music I (2 credits)

30 lecture hours; 30 lab hours

The first in a series of courses offering individualized instruction in piano, organ, voice, guitar, band, or an orchestral instrument. Emphasis is on performance. Students will take one 60-minute lesson each week.

MUS 141: Applied Music II (2 credits)

30 lecture hours; 30 studio hours

Prerequisite: MUS 140 and/or permission of the instructor

The second in a four-part series of courses offering individualized instruction in piano, organ, voice, guitar, band, or an orchestral instrument. Emphasis is on performance. Students will take one 60-minute lesson each week.

MUS 191: Ear Training I (1 credit)

15 contact hours

Corequisite: MUS 101

Beginning course instruction in listening to music to identify interval movement; basic I, IV, and V chord use; major and minor scales; triads and inversions. Written dictation using these musical elements, and rhythmic notation, are included.

MUS 192: Ear Training II (1 credit)

30 lecture hours; 30 studio hours

Continuing course instruction in listening to music with emphasis on identifying interval movement, basic chord use, 7th chords, major and minor scales, triads and inversions. Written dictation will include instruction in accurately determining, then writing, the sound of simple melodies.

MUS 230: Ear Training III (1 credit)

30 lecture hours; 30 studio hours

Advanced course instruction in listening to music to identify interval movement, augmented and diminished chords, major and minor chords, triads and inversions. Written dictation of simple and two-part melodies will also be included.

MUS 240: Ear Training IV (1 credit)

30 lecture hours; 30 studio hours

Advanced course in ear training instruction in learning to identify interval movement, chord progressions, triads and inversions. Written dictation of two- and three-part harmonies included.

MUS 273: Piano II (2 credits)

30 lecture hours

Prerequisite: MUS 123 and/or permission of the instructor

Continuing class instruction in beginning piano and basic keyboard harmony for students who have successfully completed MUS 123. Emphasis is on beginning piano technique, music reading, and performance.

MUS 274: Piano III (2 credits)

30 lecture hours

Prerequisites: MUS 123; MUS 273 and/or permission of the instructor

Advanced course designed for students with piano experience. Emphasis is on interpretation, technique, music reading and performance.

MUS 275: Piano IV (2 credits)

30 lecture hours

Prerequisites: MUS 123; MUS 273; MUS 274 and/or permission of the instructor

An advanced course designed for students with piano experience. Emphasis is on culminating interpretation, technique, music reading and memorization, and performance, including development and execution of a final student portfolio.

MUS 291: Theory of Music III (3 credits)

30 lecture hours; 30 studio hours

Prerequisites: MUS 101; MUS 102

An upper-level course in the concepts of part-writing, sight singing, ear training, dictation and keyboard harmony. Writing skills include use of augmented chords, chromatic movement and modulations. Dictation includes writing for two, three and four parts.

COURSE DESCRIPTIONS

MUS 292: Applied Music III (2 credits)

30 lecture hours; 30 studio hours

Prerequisite: MUS 141

A course facilitating individualized instruction in voice, piano, organ, guitar, band or an orchestral instrument. Emphasis is on performance. Students will take one 60-minute lesson each week.

MUS 294: Theory of Music IV (3 credits)

30 lecture hours; 30 studio hours

Prerequisite: MUS 101; MUS 102; MUS 291

Advanced course correlating advanced concepts of partwriting, sight singing, ear training, dictation and keyboard harmony. Writing skills include use of augmented chords, chromatic movement and modulations. Dictation includes writing for two, three and four parts.

MUS 296: Applied Music IV (2 credits)

30 lecture hours; 30 studio hours

Prerequisite: MUS 292

An individualized instruction in piano, organ, guitar, voice, band or orchestral instruments. Emphasis is on performance. Students take one 60-minute lesson each week.

NURSING NUR

NUR 111: Calculation of Medications in Nursing (1 credit)

15 lecture hours

Admission Requirement: Completion of developmental courses and admission to the Nursing Program

Prerequisite: PRE 100; a minimum grade of "C" in BIO 202, BIO 203, BIO 212

Corequisite: NUR 120, ENG 101, PSY 101

Lab fee

This course is the basis for developing proficiency and accuracy in the calculation of medications. ADN and PN students are provided classroom instruction and practice in the computation of oral and parenteral medications for adults and children. Emphasis is on conversions among the metric, apothecary, and household systems of measurement. Supplementary practice problems, audio/visual problems, computer-assisted instructional programs, and tutorial instruction by selected math and/or nursing tutors are provided. Ethical and legal responsibilities of the nurse are correlated to medication administration.

NUR 120: Introduction to Nursing Practice (8 credits)

60 lecture hours; 180 clinical lab hours

Admission Requirements: Completion of developmental courses and admission to the Nursing Program

Prerequisites: PRE 100; minimum grades of "C" in BIO 202, BIO 203; BIO 212

Corequisites: NUR 111; PSY 101; ENG 101

Lab fee

This is the foundation course for the Nursing Programs. The purpose is to assist the ADN and PN nursing students in developing the intellectual, interpersonal, and technical skills that are basic and essential to the provision of effective client care utilizing the nursing process. This course is directed toward the study of basic human needs and normal physiological adaptations to stress as one moves along the health-illness continuum. Principles and concepts related to communication, nutrition, pharmacology, and selected technical nursing skills are taught. Issues in nursing practice and nursing education are introduced using the historical approach. Students are given the opportunity to practice in the nursing skills laboratory before carrying out planned nursing care to selected clients in a hospital setting under the direct guidance of nursing faculty.

NUR 122: Medical-Surgical Nursing of Adults I (8 credits)

60 lecture hours; 180 clinical lab hours

Prerequisites: PRE 100; PSY 101; ENG 101; Minimum grades of C in BIO 202, BIO 203; BIO 212; NUR 111; NUR 120

Corequisite: PSY 104; SOC 101

Lab fee

Students focus on caring for adults with pathophysiology related to common nutritional problems, regulatory and protective mechanisms, genitourinary problems, and musculoskeletal disorders. Multisystem stressors including cancer, surgery, immunosuppression, and homeostatic imbalance are also surveyed. Consideration is given to factors that influence adult development and health practices such as age, beliefs, resources, and cultural background. Using a holistic approach, students give supervised client care in acute health care settings. The nursing process is used to formulate a plan of care, set priorities, and make clinical decisions.

COURSE DESCRIPTIONS

NUR 216: Perspectives and Issues in Nursing (1 credit)

15 lecture hours

Prerequisites: PRE 100, ENG 101, PSY 101, PSY 104; SOC 101; Minimum grade of "C" or better in BIO 202, BIO 203, BIO 212, NUR 111, NUR 120, NUR 122 or NUR 125, NUR 218, NUR 222

Corequisite: NUR 220

Lab fee

Students study historical forces that have shaped the profession and its professional organizations. Current healthcare issues and their implications for nursing practice are explored. Issues related to legal and ethical implications underlying nursing practice are explored. Opportunities for career and educational advancement are examined. The use of research in current nursing practice is studied.

NUR 218: Maternal and Child Health Nursing (6 credits)

45 lecture hours; 135 clinical hours

Prerequisites: PRE 100, ENG 101, PSY 101, SOC 101, PSY 104; Minimum grade of "C" or better in BIO 202, BIO 203, BIO 212, NUR 111, NUR 120, or NUR 122 or NUR 125

Corequisite: NUR 222

Lab fee

NUR 218 assists students in providing holistic, family-centered care to child-rearing and child-bearing families. Human development from conception through adolescence are emphasized. Cultural patterns that influence parenting styles are examined. The role of the nurse in health promotion and maintenance, assessment, identification of appropriate strategies, and provisions of safe and competent nursing care of mothers, infants, children, and adolescents is the primary focus. Nursing care is provided in a variety of health care settings, including hospitals and community agencies. Educational methods include lecture, discussion, student presentations, interactive computer assisted interactives and case studies.

NUR 220: Medical–Surgical Nursing of Adults II (8 credits)

60 lecture hours; 180 Clinical hours

Prerequisites: PRE 100, ENG 101, PSY 101, PSY 104, SOC 101; Minimum grade of "C" or better in BIO 202, BIO 203, BIO 212, NUR 111, NUR 120, NUR 122 or NUR 125, NUR 218, NUR 222

Corequisite: NUR 216

Lab fee

Nursing care for adult clients with health alterations of cardiovascular, hematological, respiratory and neurosensory systems is examined. The nurse's responsibilities in complex situations such as specialty care units, cardiopulmonary resuscitation, emergencies, and disasters are discussed. Correlated clinical experiences are provided in specialty care units such as Progressive Coronary Care, Step-Down Coronary Care, Step-Down Neurology, Brain Injury Unit and Telemetry Units. Clinical observations in specialty care settings such as Coronary Care, Intensive Care, Operating Room, and Emergency Room are provided. Students also utilize the nursing process in providing health-care in community-based settings to a multicultural population. Nursing care management and delegation principles are introduced and evaluated.

NUR 222: Care of the Client with Mental Health Problems (4 credits)

30 lecture hours; 90 clinical lab hours

Prerequisites: PRE 100, ENG 101, PSY 101, PSY 104, SOC 101; CHE 103, Minimum grade of "C" or better in BIO 202, BIO 203, BIO 212, NUR 111, NUR 120, or NUR 122
Corequisites: NUR 218

Lab fee

The holistic view of humans is emphasized when nursing care is provided to the client who is mentally ill or emotionally disturbed. This view is built upon the conceptual framework of the Department of Nursing, which believes that nursing is a "learned scientific discipline with both theoretical and practical components." Particular emphasis is on the biopsychophysiological aspects of mental wellness, mental illness, and how these factors predispose one to psychopathological response and how they precipitate it.

COURSE DESCRIPTIONS

PRACTICAL NURSING PNUR

PNUR 101: Adult Health Nursing I (5 credits)

45 lecture hours; 90 clinical lab hours

Prerequisites: PRE 100, ENG 101; PSY 101; minimum grades of "C" in BIO 202, BIO 203, BIO 212, NUR 111, NUR 120

Lab fee

This is the first course in the Adult Health Nursing sequence in the Practical Nursing Program. The focus of this course is on providing care to clients experiencing common health problems that affect the gastrointestinal, endocrine, genitourinary, reproductive, immune, and musculoskeletal systems. Cancer, surgery and fluid/electrolyte and acid/base imbalances are introduced to students as stressors that affect the entire body system. A seminar on the care of the geriatric client is presented, emphasizing not only care of those who are ill, but also those who are well. The nursing process provides the framework for planning, implementing, and evaluating the care of the geriatric and the adult client with common health problems. Learning is assisted through the use of various methodologies. Lectures, demonstrations, instructional technology, assigned readings, and supervised clinical experiences are utilized. Emphasis is placed on students actively participating in the learning process by utilizing collaborative learning exercises and critical thinking applications. The student must successfully complete this course before continuing in PNUR 105.

PNUR 105: Adult Health Nursing II (5 credits)

45 lecture hours; 90 clinical lab hours

Prerequisites: PRE 100, ENG 101; PSY 101; minimum grades of "C" in BIO 202, BIO 203; BIO 212; NUR 111, NUR 120; PNUR 101

Lab fee

This course completes the two-part Adult Health Nursing sequence. The students must have successfully completed PNUR 101 before continuing in PNUR 105. This course focuses on adult clients who are experiencing threats to adequate respiration, insults to cardiovascular integrity, and disorders of neurologic and sensory function. Selected psychiatric/mental health issues are examined. The student is expected to identify elements of healthy behavior, maladaptive and psychotic behavior, and other personality disorders. Learning is assisted through the use of lectures, demonstrations, conferences, visual aids, instructional technology, assigned readings, written projects, and supervised clinical experiences. Emphasis is placed on students actively participating in the learning process by utilizing collaborative learning exercises and critical thinking applications.

PNUR 110: Nursing of Child-Bearing and Child-Rearing Families (6 credits)

45 lecture hours; 135 clinical lab hours

Prerequisites: PRE 100, ENG 101; PSY 101; minimum grades of "C" in BIO 202, BIO 203, BIO 212; NUR 111, NUR 120; PNUR 101; and PNUR 105

Corequisite: PNUR 115

Lab fee

Course content is designed to assist the student in understanding needs of the expectant mother, infant, and family from the beginning of pregnancy through the childbearing period and understanding the needs of children as they grow and develop into adulthood. The promotion and maintenance of health during the rapidly developing years and the impact of illness on normal family life and growth, and development tasks will be emphasized. The phases of the nursing process are used to guide the student in the performance of therapeutic and protective nursing measures. Learning is assisted through the use of lectures, demonstrations, conferences, visual aids, instructional technology, assigned readings, written projects, and supervised clinical experiences. Emphasis is on students actively participating in the learning process by utilizing collaborative learning exercises and critical thinking applications.

PNUR 115: Seminar in Practical Nursing Issues (1 credit)

15 lecture hours

Prerequisites: PRE 100, ENG 101; PSY 101; minimum grades of "C" in BIO 202, BIO 203, BIO 212; NUR 111, NUR 120; PNUR 101, PNUR 105

Corequisite: PNUR 110

Lab fee

The student examines the role of the Licensed Practical Nurse, legal and ethical responsibilities, and nursing organizations in preparation for employment. Content includes a review of current trends in the health care system and in nursing. The various roles and responsibilities of the LPN are discussed. Opportunities for continuing education and career advancement are explored. Learning experiences include lecture, class discussion, and job search activities.

PARAMEDICS/PARAMEDICINE

EMSP

EMSP 104 Emergency Medical Technician (9 credits)

98 lecture hours; 70 lab hours; 24 fieldwork hours

Prerequisite: none

This 192 hour pre-hospital care provider course meets Maryland State and National Registry of EMTs requirements leading to eligibility for certification as an Emergency Medical Technician and will include the latest State of Maryland Medical Protocols for EMS Providers. The 192 hours is broken down into 168 hours of prescribed course instruction and 24 hours of field training. Six additional hours are required for certification testing. Course emphasis is on recognition of signs and symptoms of illness and injury and appropriate emergency care procedures. Topics include: fundamentals of emergency medical service, patient assessment, airway management oxygen therapy, and resuscitation, medical emergencies, bleeding control and wound management, stabilization of fractures, and spinal injuries, medical emergencies, lifting and moving patients, IV maintenance, and administration of approved medications.

EMSP 115: Paramedic 1 (10 credits)

This is the first of a series of five courses completion of which meet the National EMS Education Standards leading to eligibility to take the National Registry of Emergency Medical Technicians Paramedic examination. Course emphasis is on topics preparing the student for paramedic education including history of emergency medical services) duties and responsibilities of the paramedic) human pathophysiology) patient assessment) emergency pharmacology and basic patient care skills. The course will include the latest State of Maryland Medical Protocols for EMS Providers.

EMSP 116: Paramedic Clinical 1 (2 credits)

This course provides supervised hospital experience during which the Paramedic student will learn to assess patients of different ages) and develop competency in intravenous therapy) medication administration and advanced airway management.

EMSP 123: Paramedic 2 (12 credits)

This is the second of a series of courses which result in eligibility to take the Registry of Emergency Medical Technicians Paramedic examination. Course emphasis is on pathophysiology) assessment and treatment of patients suffering emergent medical emergencies and shock. Students will also participate in clinical rotations and field experiences during this course. The course will include the latest State of Maryland Medical Protocols for EMS Providers.

EMSP 124: Paramedic Clinical 2 (2 credits)

This course provides supervised hospital experience during which the Paramedic student will continue to increase their competency in assessment techniques and patient care skills. The student will also shadow an attending physician in the emergency department.

EMSP 203: Paramedic Bridge 1 (12 credits)

This course is the 1st of a series of paramedic courses developed to allow current licensed Maryland Cardiac Rescue Technicians to advance to Paramedic certification by the National Registry of Emergency Medical Technicians. Course emphasis is on topics preparing the student for paramedic practice including enhanced knowledge history of emergency medical services, duties and responsibilities of the paramedic, human pathophysiology, patient assessment, emergency pharmacology, and pathophysiology, assessment and management of medical emergencies. The course will include the latest State of Maryland Medical Protocols for EMS Providers.

EMSP 206: Paramedic 3 (12 credits)

This is the last of a series of courses completion of which meet the National Education Standards leading to eligibility to take the Registry of Emergency Medical Technicians Paramedic examination. Course emphasis is on assessment and treatment of patients suffering emergent traumatic injuries, management of medical and traumatic injuries in patients of special populations, EMS operations, and preparation for the National Registry of Emergency Medical Technicians paramedic examination. The course will include the latest State of Maryland Medical Protocols for EMS Providers.

EMSP 212: Paramedic Bridge 2 (12 credits)

This course is the 3rd of a series of paramedic courses developed to allow currently licensed Maryland Cardiac Rescue Technicians to advance to Paramedic certification by the National Registry of Emergency Medical Technicians. Course emphasis is on pathophysiology, assessment and treatment of patients suffering emergent medical emergencies and traumatic injury, care of obstetric, pediatric and geriatric patients and patients with special challenges, EMS operations and preparation for the National Registry of Emergency Medical Technicians paramedic examination. Students will also participate in clinical rotations and field experiences during this course. The course will include the latest State of Maryland Medical Protocols for EMS Providers.

COURSE DESCRIPTIONS

OFFICE ADMINISTRATION TECHNOLOGY OFAD

OFAD 100: Office Procedures (3 credits)

45 lecture hours

This office procedures course is designed to provide opportunities for students to become familiar with changes and challenges office workers may encounter in the twenty-first century workplace. Students explore various office careers for development of short- and long-term career goals; they also participate in various communications, technology, decision-making, time and organizational management simulations, case studies, role-playing, and other group/collaborative activities. New and experienced administrative and office support personnel also find this course useful.

OFAD 111: Typing and Medical Machine Transcription (3 credits)

30 lecture hours; 30 lab hours

Prerequisites: OFAD 119 or equivalent; OFAD 123

Corequisites: AH 130; BIO 107

Lab fee

This course provides opportunities for students to create, retrieve, and revise medical documents using word processing software. Documents are from various medical specialty units such as cardiovascular medicine, surgery, oncology, dermatology, urology, head and neck, and internal medicine, thereby further expanding the student's knowledge base in medical technology and terminology. OFAD 111 provides activities for students to work in a simulated medical center.

OFAD 116: Keyboarding (2 credits)

15 lecture hours; 30 lab hours

Lab fee

This course is designed for those who want to develop and strengthen keyboarding skills by "touch" to enable them to input data or text at relatively fast speeds. Students learn basic keyboard fingering techniques and develop speed and accuracy skills through extensive drill practice. Office Administration/Office Technology students should register for OFAD 123.

OFAD 117: Records Management (3 credits)

30 lecture hours

Students are introduced to principles and practices of effective records management for manual and computerized records systems. Key topics include treatment of records, current trends in records management, and legislation important to effective records management in business firms. Hands-on practice in the use of various filing systems, automated records systems, and imaging is provided.

OFAD 119: Word Processing Applications I (3 credits)

30 lecture hours; 30 lab hours

Prerequisite: OFAD 123 or keyboarding speed of 35 wpm

Lab fee

Passing this course with a "C" or better fulfills the College's Computer Literacy Requirement.

This course offers hands-on instruction in the use of Microsoft Word. The major features of this word processing software are presented and used in producing documents such as letters, memoranda, tables, and manuscripts from both handwritten and typewritten copy. Documents integrating the use of other Microsoft Office applications are a major focus.

OFAD 121: Word Processing Applications II (3 credits)

30 lecture hours; 30 lab hours

Prerequisites: OFAD 119 or equivalent; minimum

keyboarding speed of 40 wpm

Lab fee

This course continues the development of advanced features of Microsoft Word, and includes the integration of spreadsheets, charts, multimedia presentations, and other applications commonly used for producing business documents and reports. Students will assemble and submit documents as attachments via e-mail and in report format using bindery equipment.

OFAD 123: Document Formatting I (3 credits)

30 lecture hours; 30 lab hours

Lab fee

This course is designed for the beginning student. Emphasis is on developing touch control of the keyboard and proper keyboarding techniques. Students also build speed and accuracy and learn to apply basic skills to formatting letters, reports, tables, memos, and other kinds of personal, personal/business, and business communications.

OFAD 124: Document Formatting II (3 credits)

30 lecture hours; 30 lab hours

Prerequisite: OFAD 123

Lab fee

The development of basic keyboarding skills is continued with emphasis on the use of word processing software to format various kinds of business correspondence, reports, tabulations, and forms from unarranged and rough-draft sources. An integrated office project is included in which students demonstrate formatting skills and assembling using bindery equipment.

COURSE DESCRIPTIONS

OFAD 125: Document Production (3 credits)

30 lecture hours; 30 lab hours

Prerequisites: OFAD 124; OFAD 121

Lab fee

Advanced document processing techniques and high-level production work using word processing software are emphasized. Students are placed in office situations that emphasize such skills as editing, decision-making, abstracting information, setting priorities, following directions, and working under pressure and with interruptions.

OFAD 210: Typing Speed and Accuracy I (2 credits)

15 lecture hours; 30 lab hours

Prerequisite: Keyboarding/typewriting experience

Lab fee

This course is designed for students who wish to increase/improve typing speed and accuracy at an accelerated rate. Diagnostic drills identify problem areas and recommend practice exercises to enhance skill level.

OFAD 211: Typing Speed and Accuracy II (2 credits)

15 lecture hours; 30 lab hours

Prerequisite: Keyboarding/typewriting experience

Lab fee

This course is designed for students who wish to continue increasing/improving their present typing speed and accuracy at an accelerated rate. Diagnostic drills identify problem areas and recommend practice exercises to enhance skill level.

OFAD 215: Office Management (3 credits)

30 lecture hours; 30 lab hours

Prerequisites: ENG 113, OFAD 119; OFAD 125

Lab fee

Office Management is designed to prepare students for employment in an office environment that requires high-level office procedures and office management skills. The course focuses on preparing administrative assistants for broader roles as professional members of the management team.

OFAD 225: Medical Machine Transcription I (4 credits)

45 lecture hours; 30 lab hours

Prerequisites: Keyboarding speed of 40 correct words a minute (CWAM); advanced word processing skills; AH 130; BIO 202; ENG 101

Lab fee

Opportunities are provided for Medical Transcriptionist majors to apply previously learned knowledge and skills in word processing, medical terminology, language arts, and document formatting. Students receive practice in transcribing authentic physician-dictated reports. Emphasis is on final, neat, error-free transcription.

OFAD 226: Medical Machine Transcription II (4 credits)

45 lecture hours; 30 lab hours

Prerequisite: OFAD 225

Lab fee

This course continues OFAD 225 and provides additional opportunities for Medical Transcriptionist majors to apply advanced skills in word processing, medical terminology, language arts, and document formatting. Students receive practice in transcribing authentic physician-dictated reports. Emphasis is on final, neat, error-free transcription.

OFAD 227: Medical Machine Transcription III (4 credits)

45 lecture hours; 30 lab hours

Prerequisite: OFAD 226

Lab fee

This course is the third-level transcription course for Medical Transcriptionist majors. It focuses on authentic physician-dictated reports in the areas of cardiology and gastroenterology. Emphasis is on final, neat, error-free transcription.

OFAD 250: Office Administration/Technology Internship (2 credits)

30 lecture hours

Prerequisites: ENG 101; OFAD 100; OFAD 119; OFAD 124; SP 101

Corequisites: OFAD 125; OFAD 121

Students have an opportunity to receive concurrent on-the-job learning experiences and related classroom instruction, which develop occupational competence in office skills. Students earn academic credit while employed in local public or private sectors. This internship experience requires a minimum of 60 hours on-the-job training.

ORIENTATION PRE

PRE 100: Preparation for Academic Achievement (1 credit)

15 lecture hours

All new, degree- or certificate-seeking students and students entering with fewer than 15 credits are required to complete the College's Orientation course. The purpose of this course is to provide information necessary for academic success in college and to give students knowledge of what to expect in their classes. Students learn strategies that empower them to achieve success.

COURSE DESCRIPTIONS

PHILOSOPHY PHI

PHI 101: Introduction to Philosophy (3 credits)

Meets Category I General Education Requirements

45 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

Students probe what is called human wisdom through an examination of representative philosophical problems and proposed alternatives in epistemology, metaphysics, axiology, politics, and religion.

PHI 104: Logic and Critical Thinking (3 credits)

Meets Category I General Education Requirements

45 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

Students are introduced to the principles of reasoning and reflective thinking. Argumentation, analysis, inductive and deductive reasoning, fallacies, and logical techniques are explored. The course also examines classical reasoning as well as how critical reasoning may be applied to gender, race, ethnicity, and class.

PHI 105: Introduction to Professional Ethics (3 credits)

Meets Category VI General Education Requirements

45 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

Students use a multicultural approach to understanding the main dilemmas in making ethical/moral decisions that affect a person's life and the culture in which he/she lives. Various classical and current issues are considered and discussed from Western and non-Western perspectives. Issues covered include but are not limited to business, government, legal, medical, personal, and societal ethics.

PHI 201: Comparative Religion (3 credits)

Meets Category I General Education Requirements

45 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

The practices and philosophies of the major religions of the Western World are examined. Consideration is given to the development of the literature, tradition, thought, and practices of various cultures.

PHYSICAL SCIENCE PHSC

PHSC 110: Physical Science (4 credits)

45 lecture hours; 45 lab hours

MAT 82 or MAT 92 - ENG 82, or RENG 92, or appropriate course waivers or ACCUPLACER scores

This course, a laboratory directed, inquiry based course designed to meet the Category III General Education requirement (Biological and Physical Sciences), is required in several education majors and is for in-service teachers. The course presents fundamental concepts and principles related to the physical sciences. The main topics are properties of matter (mass, area, volume, density), heat, electric circuits, light and motion. A journal is maintained and a written project is required. Students do laboratories in collaborative groups. Significant short inquiry based laboratories are used, supported by short lectures and demonstrations. Computers are used for some of the laboratories, demonstrations and as part of the required project.

PHSC 120: Contemporary Chemistry - Physical Science (4 credits)

45 lecture hours; 45 lab hours

MAT 82 or MAT 92- ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

The chemical aspects of physical science from a constructivist point of view are emphasized. A combination of learning styles, including reading, discussion, and hands-on laboratory activities is utilized. Topics are selected from a variety of sources to allow exploration of many important chemical concepts and applications of chemistry. Integration of chemistry with other science disciplines and mathematics is stressed.

PHYSICAL THERAPIST ASSISTANT PTT

PTT 112: Introduction to Physical Therapist Assisting (2 credits)

30 lecture hours

Prerequisites: admission to the Physical Therapist Assistant Program; ENG 101; PSY 101; BIO 202, BIO 203 and MAT 107 or MAT 128

Corequisite: PTT 120

Students are introduced to the philosophy, history, and role of the physical therapist assistant in the healthcare setting. Emphasis is on medical terminology and abbreviations, achieving competence in medical documentation, oral communication skills, and the laws and ethics that govern the physical therapy profession. Topics include licensure, scope of practice, infringement, cultural diversity, and legal levels of supervision. The impact of disability is explored along with the overall role of the physical therapist assistant as caregiver. Basic elements of clinical problem solving are introduced.

COURSE DESCRIPTIONS

PTT 120: Physical Therapist Assisting Procedures I (5 credits)

45 lecture hours; 90 skills and teaching lab hours

Prerequisites or Corequisite: PTT 112

Lab fee

This course is the first of a four-part sequence of physical therapy functions. Students study the principles and practices in the therapeutic application of physical therapy modalities, exercise, basic aseptic techniques, compression techniques, bandaging, body mechanics in patient care, positioning techniques, massage, goniometric joint measurements, and instruction of the patient in functional tasks. Hydrotherapy and wound care is usually conducted off-campus at a local hospital.

PTT 140: Medical Lectures (4 credits)

60 lecture hours

Prerequisite: completion of all first-semester Physical Therapist Assistant Program courses

Corequisite: PTT 150

This course consists of lectures and case studies of the medical, orthopedic, cardiopulmonary, and neurological conditions most frequently treated by physical therapist assistants. Emphasis is placed on disease manifestations, etiology, pathological processes, and therapeutic management. Patient videotapes, and other support materials are reviewed.

PTT 150: Physical Therapist Assisting Procedures II (5 credits)

45 lecture hours; 90 skills and teaching lab hours

Prerequisite: completion of all first-semester Physical Therapist Assistant Program courses

Prerequisites: PTT 112, PTT 120, and Continued Enrollment in the PTA Program

Corequisite: PTT 120 and PTT 140

Lab fee

This course is a continuation of PTT 120. Students study the principles and therapeutic applications of electrical stimulation, traction, ultrasound, gait training, assistive devices, advanced transfers training and additional modalities. A number of full-day clinical experiences in patient care are provided off-campus. Students are required to demonstrate clinical competency as well as academic proficiency in order to progress to the next clinical course.

PTT 210: Physical Therapist Assisting Seminar (2 credits)

30 lecture hours

Corequisite: PTT 250

This course includes presentations and discussions of physical therapy topics including kinesiology, therapeutic exercise, geriatrics, spinal cord injury, CVA, women's health, case studies with treatment progressions, clinical and licensing issues, resume and job interviewing techniques, anatomy review via prepared cadaver dissections, and group discussions and activities with physical therapy students.

PTT 213: Clinical Education II (4 credits)

200 clinical hours of 40 hours per week for 5 weeks

Prerequisites: PTT 210; PTT 250

A supervised, concentrated, and practical hands-on experience during a five-week clinical assignment in a hospital, extended care facility, or out-patient clinic is provided. Students are expected to progress according to weekly goals in planning and implementing patient treatment, chart review, documentation, time management, and communication with all staff.

PHTT 214: Clinical Education III (5 credits)

240 clinical hours of 40 hours per week for 6 weeks

Prerequisites: PTT 210; PTT 250

A six-week clinical assignment in a hospital, rehab center or specialty facility, extended care facility, or out-patient clinic is provided. Students are expected to build onto prior experiences in the clinic and progress to entry-level competency as a physical therapist assistant.

PTT 215: Pediatric Rehabilitation Procedures (2 credits)

15 lecture hours; 45 skills and teaching lab hours

Prerequisites: : PTT 112, PTT 120, PTT 140, PTT 150

Lab fee

Basic knowledge of growth and development and skills used to treat neurologically and orthopedically impaired children and adults is provided. Practice in applying these skills in a clinical setting, principles of behavior management, bracing and teaching techniques are included.

PTT 240: Physical Therapist Assisting Procedures III (5 credits)

45 lecture hours; 90 skills and teaching lab hours

Prerequisites: completion of all first-year Physical Therapist Assistant Program courses, PT 215, and passing written and practical comprehensive examinations administered in late August.

Corequisite: PTT 260

Lab fee

The musculoskeletal and neuromuscular systems are studied in depth. Principles of normal movement and human locomotion are emphasized along with basic pathokinesiology. Therapeutic exercise is approached through the scientific principles acquired from anatomy, physiology, and pathology. Students learn appropriate exercise progressions for orthopedic and neurologic disorders to facilitate optimum patient function.

COURSE DESCRIPTIONS

PTT 250: Physical Therapist Assisting Procedures IV (4 credits)

30 lecture hours; 60 skills and teaching lab hours

Prerequisites: PTT 240 and PTT 260

Corequisite: PTT 210

Lab fee

This is the final course in the four-part procedures sequence. Students study selected medical, neurologic, and orthopedic disabilities with emphasis placed on more advanced therapeutic techniques. Modules include amputees and prosthetics, cardiopulmonary rehabilitation, orthopedic conditions, Proprioceptive Neuromuscular Facilitation techniques, and Neurodevelopmental Treatment.

PHTT 260: Clinical Education I (3 credits)

15 lecture hours; 104 hours clinical assignment

Prerequisite: PTT 112, PTT 120, PTT 140, PTT 150, and PTT 215, PT 215, and passing written and practical comprehensive examinations administered in late August.

Corequisite: PTT 240

Students participate in supervised clinical experiences 1 full day per week at several different settings with emphasis on integration of procedures taught in prior and current PTT coursework, reinforcement of professional relations skills, safety, treatment documentation, time management, and oral communication.

The classroom component focuses on the etiology, manifestations, and physical therapy management of specific central and peripheral nervous system disorders. Students participate in individual and group treatment program planning and progressions based upon real Physical Therapy initial evaluations; opportunities are provided for class demonstrations of specific program ideas and techniques that are observed in clinic.

Appropriate lecture time is devoted to group discussion of each week's clinical experiences.

PHYSICS PHY

PHY 101: Fundamentals of Physics I (4 credits)

Meets Category III General Education Requirements

45 lecture hours; 45 lab hours

Prerequisites: MAT 128; ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

Lab fee

The laws and principles of physics are surveyed for the liberal arts or pre-professional science student. The course emphasizes measurement, optics, kinematics, dynamic equilibrium, and energy.

PHY 102: Fundamentals of Physics II (4 credits)

45 lecture hours; 45 lab hours

Prerequisites: MAT 128; ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

Lab fee

The focus is on fluids, elasticity of matter, waves, electricity, magnetism, and modern physics.

PHY 199: Individual Study in Physics

Prerequisite: satisfactory completion of at least one PHY course

See IS-Individual Study, p.121.

PHY 203: General Physics I (5 credits)

Meets Category III General Education Requirements

60 lecture hours; 45 lab hours

Prerequisite: MAT 140

Corequisite: MAT 141

Lab fee

This calculus-based physics course is intended for students majoring in mathematics, the natural sciences, computer science, or engineering. While the course doesn't assume any prior knowledge of physics, knowledge of calculus is essential. PHY 203 is the first course in a two-semester general physics sequence and covers mechanics, fluid mechanics, waves, and sound.

PHY 204: General Physics II (5 credits)

Meets Category III General Education Requirements

60 lecture hours; 45 lab hours

Prerequisites: MAT 141; PHY 203

Lab fee

PHY 204 continues PHY 203. The course is intended for students majoring in the natural sciences, mathematics, engineering and computer science. PHY 204 covers heat, thermodynamics, electricity, magnetism, and optics.

POLITICAL SCIENCE PS

PS 101: American Government (3 credits)

Meets Category II General Education Requirements

45 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

Background in the theory, organization, politics, functions, and problems of the American Federal system of government is presented. National institutions--the Presidency, the Congress, and the Federal courts--are examined in light of the Constitution and its historical development.

PS 102: State and Local Government (3 credits)

Meets Category II General Education Requirements

45 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

Students study state and local governmental structures and functions within the framework of the federal and state constitutions. Specific attention is given to government in the state of Maryland.

COURSE DESCRIPTIONS

PS 201: Thurgood Marshall's Legacy: Law and the Politics of Social Change (3 credits)

*Meets Category II General Education Requirements
45 lecture hours*

Prerequisite: Any college-level sociology or political science or history course or permission of the Instructor.

This course will examine the legacy of Thurgood Marshall's life from a historical, political, and legal perspective. The class will explore how Thurgood Marshall used the law as an agent for social change and social justice for African Americans. Students develop the knowledge and skills to understand and critically evaluate the interaction of law, politics, social struggle, reform activity, and social change during the Civil Rights Movement.

PS 203: Public Policy Analysis (3 credits)

*Meets Category II General Education Requirements
45 lecture hours*

Prerequisites: PS 101, PS 102, ENG 101, or permission of Program Coordinator

This course takes students through the stages of analyzing policies of public significance. The course exhaustively examines the classical types of public policy. Students learn how issues are identified and brought to the attention of those elected or appointed officials who have the responsibility for resolving such issues.

PS 204: Public Policy Seminar (3 credits)

*Meets Category II General Education Requirements
45 lecture hours*

Prerequisites: ECO 201, PS 203, or permission of Program Coordinator

This seminar is designed to provide students with the opportunity to meet and interact with public policy practitioners. The seminar complements the Public Policy Option long-term goal of combining theory with practice for maximum knowledge and mastery. Students participate in formal and informal forums in which they can expand their knowledge about the concepts of government policy. The role and influences of Non-Governmental Organizations (NGOs) and other entities, such as the United Nations, World Bank, International Monetary Fund, Organization of African Unity, and the Organization of American States, among others, are examined.

PS 207: International Relations (3 credits)

*Meets Category II General Education Requirements
45 lecture hours*

Prerequisite: PS 204 or permission of Program Coordinator

This course exposes students to the concepts of international relations and their relationship to America's global, vital, and strategic interests.

PSYCHOLOGY PSY

PSY 101: Introductory Psychology (3 credits)

*Meets Category II General Education Requirements
45 lecture hours*

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

Students are introduced to the scientific study of behavior and a survey of the physiological, emotional, intellectual, and social forces that influence the development of human behavior.

PSY 103: Psychology of Personality (3 credits)

45 lecture hours

Prerequisite: PSY 101

The major theories of personality and patterns of adjustment behavior are examined.

PSY 104: Developmental Psychology (3 credits)

*Meets Category II General Education Requirements
45 lecture hours*

Prerequisite: PSY 101

This course deals with evolving growth and emerging behavior patterns from birth through old age. Films and observations are included.

PSY 105: Behavior Modification (3 credits)

45 lecture hours

Prerequisite: PSY 101

Behavior and methods of predicting and modifying it are studied. Techniques of changing one's own and others' behavior in the home, school, or business are examined.

PSY 119: Psychology and the Law (3 credits)

45 lecture hours

Prerequisite: PSY 101

The legal system is examined through the use of psychological concepts, methods, and research results. The course is organized around several basic conflicts that pervade a psychological analysis of law: the rights of individuals versus the common good; to discover the truth or to resolve conflicts; and science versus the law as a source of decisions. These conflicts generate dilemmas that persist and recur, whether the topic is the rights of persons with mental illness, training of lawyers, or punishments prescribed by judges. Society demands responses to these conflicts, and psychology provides methods and empirical results that bear on their resolution.

COURSE DESCRIPTIONS

PSY 121 Parenting Across the Life Span (3 Credits)

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

This course focuses on parent-child interaction, roles, and responsibilities throughout the life cycle, analysis of parenting strategies, contemporary variation of family cultures, structures, and lifestyles, and sources of education and support. Topics covered are areas of concern to parents and professionals working with parents. These include: definitions, changing conceptions of parenthood, current issues affecting parenting, parents and adult children, grand parenting, caring for elderly parents.

PSY 201: Educational Psychology (3 credits)

45 lecture hours

Prerequisite: PSY 101

Students examine psychological findings and concepts as they apply to educational situations. Techniques for measuring an individual's capacity and achievement are studied.

PSY 202: Psychology of Exceptionality (3 credits)

45 lecture hours

Prerequisite: PSY 101

The psychological and social factors involved in exceptionality from childhood through adulthood are introduced. Teaching techniques and the rehabilitation of the disturbed exceptional person are studied.

PSY 203: Criminal Psychology (3 credits)

45 lecture hours

Prerequisite: PSY 101

Students study the psychological factors relevant to criminal behavior in juveniles and adults. Significance of the criminal act as a reflection of sociocultural and personal adjustment is explored. Methods of identifying and assessing the offender are reviewed. Techniques for the alteration of conduct in juvenile and adult offenders are analyzed.

PSY 204: Introduction to Abnormal Psychology (3 credits)

45 lecture hours

Prerequisite: PSY 101

An understanding of adaptive and maladaptive behavior and social attitudes toward mental health/illness is provided. Local resources for the assistance of the emotionally disturbed are surveyed.

PSY 205: Psychology of Early Childhood (3 credits)

45 lecture hours

Prerequisite: PSY 101 or permission of the instructor

The mental, emotional, and social life of the preschool child and the impact of familial, social, and formal educative influences during the first six years are covered.

PSY 206: Social Psychology (3 credits)

45 lecture hours

Prerequisite: PSY 101 or permission of the instructor

The methods and findings of social psychology from the classic studies to cutting-edge research are examined. Focus is on how people interact in social situations; how they influence each other's judgments, task performance, and attitudes. Some topics considered are prejudice and intergroup conflict, the self, attributional biases and errors, social motives (such as sex, altruism, or aggression), attraction and relationships, and cognitive dissonance.

PSY 207: Psychology of Human Learning and Behavior (3 credits)

45 lecture hours

Prerequisites: PSY 101; ENG 101

The course provides a scientific/philosophic and brain research foundation for the understanding of the learning process and the acquisition of knowledge. Participants examine all aspects of human learning and cognition, from the simplest phenomena of conditioning to complex decisionmaking. In addition, the course explores, from a balanced perspective, the biological bases of learning and cognition at all levels.

PSY 208: Psychology of Adolescent Development (3 credits)

45 lecture hours

Prerequisites: PSY 101; ENG 101

This course presents an overview of current research and theory on adolescent development, with special focus on the family, school, peer group, and community contexts within which adolescents live and grow. Students gain an understanding of the biological and social processes that influence development, the challenges and risks facing adolescents today, and the factors that promote positive development. Current issues related to adolescence and the implications of policy and practice on adolescent development are discussed throughout the course.

PSY 210 Introduction to Methods in Psychological Research (4 credits)

60 lecture hours

Prerequisites: ENG 101, MAT 107, PSY 101 and two additional psychology courses.

This course will introduce students to the scientific methods as used in the behavioral sciences. Students will design a piece of research, as well as, be introduced to analyzing data using a statistical software package such as SPSS. Ethical concerns in research will also be examined.

RESPIRATORY CARE RC

RC 111: Cardiorespiratory Science (2 credits)

30 lecture hours

Prerequisites: Admission to the Respiratory Care Program

Corequisites: RC 112, RESP 113, RESP 115

Students are offered an overview of the healthcare delivery system, the hospital environment, and the organization and history of the Respiratory Care profession. Students develop such healthcare skills as basic patient needs, asepsis, body mechanics, applied medical terminology, basic physical assessment skills, and interview techniques. OSHA principles of barrier protection for blood and body fluid exposures are taught. The Problem Orientation Medical Record (POMR) is demonstrated as the preferred patient database format. Medical ethics, the patient Bill of Rights, confidentiality, and basic respiratory care modalities, including medical gas therapy, humidity therapy, medicated aerosol therapy, chest physiotherapy, hyperinflation therapy, airway management, and environmental therapies are introduced. Emphasis is on equipment application, theory of operation, therapist-driven protocols, and clinical practice guidelines. RC 112 is the supporting laboratory course for RC 111.

RC 112: Cardiorespiratory Equipment I (1 credit)

45 lab hours

Prerequisites: Admission to the Respiratory Care Program

Corequisites: RC 111, RESP 113, RESP 115, BIO 203

The lab emphasizes skill-development of non-critical respiratory care treatment modalities. Skills mastered include medical gas therapy, humidity therapy, hyperinflation therapies, environmental therapy, chest physiotherapy, and airway management. Emphasis is on equipment application and theory of operation. Therapist-driven protocols and clinical practice guidelines provide the context for this course. RC 111 is the supporting lecture course for RC 112.

RESP 113: Cardiopulmonary Anatomy and Physiology (3 credits)

45 lecture hours

Prerequisites: Admission to the Respiratory Care Program

Corequisites: RC 111, RC 112, RESP 115

RESP 113 studies the normal and abnormal pathophysiology of the cardiac, pulmonary, and renal systems. The mechanisms of homeostatic control for acid base balance, ventilation, gas transport, and circulation are stressed. The basic physiology of clinical cardiopulmonary monitoring is presented. Topics describing the lifelong changes in the physiology of the cardiopulmonary system introduce the biology of aging.

RESP 115: Clinical Practicum I (2 credits)

90 clinical hours; 30 conference hours

Prerequisites: Admission to the Respiratory Care Program

Corequisites: RC 111, RC 112, RESP 113

RESP 115 is an introduction to respiratory care of the non-critically ill patient in the clinical environment. This course includes a clinical component wherein the student develops the clinical skills needed to provide, assess, and recommend those aspects of Respiratory Care related to non critically ill patients in a hospital setting. This course also includes a weekly conference that presents: a) the microbiology information required to understand, implement and assess infectious processes and Infection Control measures in the hospital setting, b) components associated with professional behavior in the clinical setting c) American Health Insurance Portability and Accountability Act regulations related to healthcare providers d) Occupational Safety and Health Administration regulations related to healthcare providers e) case study discussions f) ethical practices of Respiratory Care g) components of effective communication in the medical field. RESP 115 reinforces equipment theory and application discussed in co-requisite courses.

RC 121: Cardiorespiratory Science II (3 credits)

45 lecture hours

Prerequisites: RC 111, RC 112, RESP 113, RESP 115

Corequisites: RC 122, RC 123, RC 125, RC 127

This course introduces the concept of Acute Respiratory Care provided to the mechanically ventilated adult patient. The student is presented with physiological and clinical indications for mechanical ventilation. Lecture topics include ventilator design and function, airway management, physiological monitoring, modes of ventilation, techniques for improving oxygenation, and weaning strategies. The critical thinking skills required for the application of therapist-driven protocols as supported by clinical practice guidelines are developed through simulated respiratory care plans. RC 121 is the supporting lecture course for RC 122.

RC 122: Cardiorespiratory Equipment II (1 credit)

45 lab hours

Prerequisites: RC 111, RC 112, RESP 113, RESP 115

Corequisites: RC 121, RC 123, RC 125, RC 127

Equipment theory and application of acute respiratory modalities in adult care are the major focus. Acute respiratory care modalities include mechanical ventilation, airway management, and physiological monitoring of the cardiopulmonary system, ventilator protocols, and special procedures. Critical thinking skills are developed using computer simulations of care plans and patient problems supported by interactive laboratory exercises. RC 122 is the supporting laboratory course for RC 121.

COURSE DESCRIPTIONS

RC 123: Manifestations of Cardiorespiratory Disease (3 credits)

45 lecture hours

Prerequisites: RC 111, RC 112, RESP 113, RESP 115

Corequisites: RC 121, RC 122, RC 125, RC 127

RC 123 is a course in cardiorespiratory pathophysiology where the emphasis is placed on the etiology, clinical manifestations, diagnosis, therapeutics, and prognosis of acute and chronic diseases of the cardiopulmonary system. Students receive didactic preparation in the following advanced assessment skills: chest physical examination, reading of the chest x-ray, assessment of clinical laboratory values, and physiological monitoring. Selected case studies are used to develop respiratory care plans based on therapist-driven protocols.

RC 125: Clinical Practicum II (4 credits)

180 practicum hours; 30 conference hours

Prerequisites: RC 111, RC 112, RESP 113, RESP 115

Corequisites: RC 121, RC 122, RC 123, RC 127

This practicum emphasizes the respiratory care of the adult in the sub-acute setting. The focus is on departmental protocols, clinical practice guidelines, POMR, patient identification, and communication skills. The ethical practice of respiratory care is emphasized as the student maintains previously mastered clinical skills. The student is required to demonstrate proficiency in the following modalities: oxygen therapy, humidity therapy, aerosol therapy, airway management, hyperinflation therapy, chest physiotherapy, and environmental therapy. Weekly clinical conferences focus on case studies, medical intelligence, respiratory care plans, patient education, and development of expanded skills.

RC 127: Cardiorespiratory Pharmacology (3 credits)

45 lecture hours

Prerequisites: RC 111, RC 112, RESP 113, RESP 115

Corequisites: RC 121, RC 122, RC 123, RC 125

RC 127 is a course in clinical pharmacology focusing on the classes of medications appropriate for the pharmacological support of the cardiopulmonary patient. The basic principles of pharmacology, dosage, central nervous system activity, drug interactions, and specificity are presented.

RC 135: Clinical Practicum III (4 credits)

180 practicum hours; 30 conference hours

Prerequisite: RC 121, RC 122, RC 123, RC 125, RC 127

Corequisite: Entry-level self-assessment exam with a score of 75% or better completed by the 8th week

RC 135 is the third practicum, with a new emphasis on adult critical care. The student continues to develop professional skills focusing on departmental protocols, practice guidelines, POMR, patient education, and communication. Professional development includes specialized learning experiences in advanced therapeutic modalities, introduction to mechanical ventilation, introduction to cardiovascular monitoring, special procedures, basic EKG interpretation, intubations, and patient education. Ethical practice of respiratory care is emphasized as the student maintains previously mastered clinical skills. Weekly clinical conferences focus on case studies, medical intelligence, respiratory care plans, patient education, and development of expanded skills. As a requirement for progression into the second year, the student must pass comprehensive written and practical examinations.

RC 211: Cardiorespiratory Science III (2 credits)

30 lecture hours

Corequisites: RC 212, RC 213, RC 214, and RC 215

Prerequisites: RC 135

This course introduces respiratory care of the neonatal/pediatric patient with emphasis on the pathophysiology of cardiopulmonary disease. It reviews basic and advanced respiratory care treatment modalities as applied to neonatal/pediatric patients. Clinical indications and theory of newborn and pediatric mechanical ventilation are supported by simulated clinical problems. The critical thinking skills required for the application of therapist-driven protocols as supported by clinical practice guidelines are developed through simulated respiratory care plans. RC 211 is the supporting lecture course for RC 212.

RC 212: Cardiorespiratory Equipment Lab III (1 credit)

45 lab hours

Prerequisite: RC 135

Corequisites: RC 211, RC 213, RC 214, and RC 215

Lab fee

This course emphasizes skill development in basic and acute respiratory care modalities for the newborn and pediatric patient populations. Continued emphasis is placed on professionalism, competence, and protocol. RC 212 is the supporting laboratory course for RC 211.

RC 213: Cardiorespiratory Diagnostics (2 credits)

30 lecture hours

Prerequisite: RC 135

Corequisites: RC 211, RC 212, RC 214, and RC 215

This course develops knowledge for the evaluation of flows, volumes, and capacities of the normal and diseased lung. Airway resistance, pulmonary compliance, indirect calorimetry, apnea, polysomnography, and special studies are included. An introduction to cardiopulmonary stress testing, non-invasive cardiac monitoring techniques, and cardiac catheterization is provided. RC 213 is the supporting lecture course for RC 214.

RC 214: Cardiorespiratory Diagnostics Lab (1 credit)

45 lecture hours

Prerequisites: RC 135

Corequisites: RC 211, RC 212, RC 213, RC 215

Lab fee

RC 214 is a laboratory in which the student develops skills in pulmonary function testing, apnea monitoring, blood gas analysis, and Holter monitoring. Invasive and non-invasive cardiac diagnostics and polysomnography are procedures that are observed in the clinical setting. RC 214 is the supporting laboratory course for RC 213.

RC 215: Clinical Practicum IV (4 credits)

180 practicum hours; 30 conference hours

Prerequisite: RC 135

This course is a continuation of RC 135 with emphasis on the integration of patient assessment and critical thinking techniques required in the advanced respiratory care plan. The student demonstrates the ability to perform the clinical competencies of the respiratory care practitioner in the adult acute respiratory care setting. Weekly clinical conferences focus on case studies, medical intelligence, respiratory care plans, patient education, advanced cardiac life support, and development of expanded skills.

RC 221: Respiratory Care Seminar (1 credit)

15 seminar hours

Prerequisites: RC 211, RC 212, RC 213, RC 214, RC 215;

Corequisites: RC 223, RC 225; completion of all graduation requirements

This seminar prepares the student with a content review and a preview of the credentialing examination process of the National Board for Respiratory Care (NBRC) examinations. The student will take practice examinations to prepare for the NBRC's Therapist Multiple-Choice Examination and the NBRC's Clinical Simulation Examination. The student will take the NBRC's Secure Comprehensive Therapist Multiple-Choice Self Assessment Examination and the Secure Comprehensive Clinical Simulation Self Assessment Examination. The student must successfully complete the NBRC's Therapist Multiple-Choice Self Assessment Examination and the NBRC's Clinical Self-Assessment Examination as a requirement for completing this course and graduating from the program.

RC 223: Rehabilitation and Continuing Care (2 credits)

30 lecture hours

Prerequisites: RC 211, RC 212, RC 213, RC 214, RC 215

Corequisites: RC 225, RT 221; completion of all graduation requirements

This course describes the cardiorespiratory care needs of chronically ill patients. The student is introduced to the concepts of discharge planning, case management, patient-centered care, adult patient education, and the need for rehabilitation of the cardiopulmonary patient. Medical and psychosocial needs of the chronic ventilator-dependent patients who are accommodated at traditional and alternate care sites are explored. The socio-economic issues of long-term respiratory care and the special needs of the chronically ill are presented. The use of clinical practice guidelines and the therapist-driven protocols are stressed.

RC 225: Clinical Practicum V (4 credits)

180 practicum hours; 30 conference hours

Prerequisites: RC 211, RC 212, RC 213, RC 214, RC 215

Corequisites: RC 221, RC 223; completion of all graduation requirements

RC 225 is a three-part clinical practicum in which the student is assigned to clinical rotations in Pediatric and Neonatal Intensive Care, Pulmonary Function/Special Procedure laboratories, and alternative care sites. The neonatal/ pediatric practicum focuses on the specialized adaptations of respiratory care modalities applied to this patient population. Emphasis is on departmental protocols, practice guidelines, POMR, patient identification, and communication skills. Maintenance of previously mastered skills is required. During this rotation, the student is assigned the duties of an advanced practitioner under direct supervision. Weekly clinical conferences focus on case studies, medical intelligence, respiratory care plans, patient education, and development of expanded skills.

ROBOTICS/MECHATRONIC TECHNOLOGY RBT**RBT 101: Introduction to Robotics/Mechatronics (3 credits)**

45 lecture hours

This course is designed to introduce students to basic robotics/mechatronics concepts through lectures and implementation of those concepts on Lego NXTs. Students will start with the Lego NXT training missions, then move on to challenges, and finally a class competition. By the end of the class, students should be able to design, simulate, build, and program a robot with the concepts of robotics/mechatronics.

COURSE DESCRIPTIONS

RBT 102: Fluid Power and Components (3 credits)

45 lecture hours

This course is designed to introduce basic hydraulic/pneumatic concepts, formulas, and applications of hydraulic/pneumatic components used for directional, flow and pressure control of circuits. This course also provides students with the knowledge and understanding of the operation, function, and application of hydraulic/pneumatic pumps, continuous rotation motors, and limited rotation motors.

RBT 201: Computer Assisted Manufacturing (CAM) (3 credits)

45 lecture hours

This course will introduce the student to (1) the processes and operations associated with milling, drilling, and turning through computer codes and computer programming; and (2) the concept of quality control. In this course, students will create a machined part or assembly with the computer and the computer driven machines. Some lab practices for this class will be held at Morgan State University Center for Advanced Manufacturing Technologies.

RBT 203: Robotics Applications and Programmable Logic Controllers (PLCs) (4 credits)

60 lecture hours

Prerequisites: RBT 201; ELC 256

This course covers various robotics applications and their associated components and control systems in manufacturing, construction, service, etc. Students will be introduced, through hands-on experience, to the current methods of controlling robots, programming robots, interfacing with robots, and integrating robots into systems designed to complete specific tasks. Students will also learn to address safety issues. Students will be required to design, simulate, build and test a traffic light application using PLC trainers.

RBT 205: Mechatronics: Principles and Applications (4 credits)

60 lecture hours

Prerequisites: RBT 201; ELC 256

This course covers the following topics: Mechanical control, pneumatics, electrical power, electromechanical, motors, hydraulics, and hands-on skills training. Technical writing skills and safety procedures will be implemented throughout the course.

SCIENCE SCI

SCI 100: Elements of Earth Science (3 credits)

45 lecture hours

Prerequisites: MAT 81 or MAT 91, ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

Students are introduced to the study of the earth, presenting basic concepts from astronomy, cartography, geology, meteorology, and climatology.

SCI 106: Introductory Oceanography (3 credits)

45 lecture hours

Prerequisites: MAT 81 or MAT 91; ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

The life of the sea is studied in terms of its interactions with the rest of the environment. Lectures, labs, and field trips explore oceanic phenomena. It is frequently offered as a telecourse.

SOCIOLOGY SOC

SOC 101: Introduction to Sociology (3 credits)

Meets Category II General Education Requirements

45 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

The study of society is introduced with emphasis on sociological concepts, methods, and theories about social structures and processes. Included in this overview of sociology is analysis of social organization, culture, socialization, social inequality, and social change. (Students completing SOC 101 should not take the four-credit introductory course, SOC 120).

SOC 102: Social Problems (3 credits)

45 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

The social causes, effects, and possible treatments of major social problems are analyzed. Students explore the definitions of social phenomena as problems and the value conflicts inherent in such definitions. Consideration is given to technological changes and cultural influences as they relate to recurrent and evolving social problems.

SOC 103: Marriage and the Family (3 credits)

45 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

The family as a social institution is studied. The course applies sociological concepts, theories, research, and crosscultural perspectives to understanding courtship, marriage, and family institutions. Topics examined include sexuality, love, marital adjustment, parenthood, childhood, gender roles, alternative life styles, and family variations by social class, ethnic group, and race.

SOC 104: The Community and Its Organization (3 credits)

45 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

The structure of communities, including community agencies and their interrelationships, is studied. Historical, theoretical, and methodological issues in the study of community are presented along with the role of community in modern life. Policy analysis, planning, and community organizing strategies are examined.

COURSE DESCRIPTIONS

SOC 108: Anthropology (3 credits)

Meets Category II General Education Requirements
45 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

This course focuses on human beings and their cultures throughout the world. Topics include human origins, language, religion, family, economic and political patterns, and cultural change.

SOC 120: Introduction to the Science of Sociology (4 credits)

Meets Category II General Education Requirements
60 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

Lab fee

The study of society is introduced with emphasis on sociological concepts, methods, and theories about social structure and processes. Included in this overview of sociology is the analysis of social organization, culture, socialization, social inequality, and social change. Current quantitative and qualitative scientific inquiry using computers is included. (Students completing SOC 120 should not take the three-credit introductory course SOC 101.

SOC 125: Human Relations Workshop (3 credits)

45 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

Patterns of relationships among individuals and groups are examined from a sociological perspective. Emphasis is placed on the awareness and development of effective interpersonal relations in the workplace and in other social settings. Topics include communication, leadership, status and group behavior, motivation, and intercultural relations.

SOC 150: Cultural Diversity in the Workplace (3 credits)

Meets Category VI General Education Requirements
45 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

How cultural diversity presents major challenges and opportunities in the workplace is examined. The course focuses on interpersonal and organizational relations that maximize resources and empower employees from a wide variety of cultural backgrounds. Students examine communications, education, teamwork, and management in the context of an increasingly diverse workforce and client base.

SOC 205: Criminology (3 credits)

Meets Category II General Education Requirements Social and Behavioral Sciences
45 lecture hours

Prerequisite: SOC 101

Crime, criminals, and the process by which they are brought to justice are the focus of this course. The social nature, origins, and development of crime are explored as well as efforts on the part of society to prevent crime and treat the criminal offender.

SOC 209: Juvenile Delinquency (3 credits)

45 lecture hours

Prerequisite: SOC 101

Juvenile delinquency is analyzed as a social phenomenon. The social nature, origins, and development of delinquent behavior are examined along with the methods and mechanisms developed by society for dealing with delinquents.

SOC 210: The Urban Community (3 credits)

Meets Category II General Education Requirements
45 lecture hours

Prerequisite: SOC 101

The structure and relationships found in the urban environment are emphasized. Students examine the role of urbanization in the development of social systems, social change, stratification, and human and physical renewal. The course incorporates the major sociological theories that explain the development of urbanization as well as those that explain its impact on human relationships.

SOC 223: Racial and Ethnic Relations (3 credits)

Meets Category II General Education Requirements
45 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

Students are provided with an understanding of the sociological perspective on intergroup relations. Students examine how groups of persons sharing racial and cultural characteristics interact with groups sharing different characteristics. The issues of differential power among majority and minority group members and the historical and cultural experiences that have given rise to these power differences are examined. Various racial and ethnic groups in the U.S. and throughout the world—particularly the experiences of African Americans—are investigated.

COURSE DESCRIPTIONS

SOC 240 Sociology of Diaspora (3 Credits)

Meets Category VI General Education Requirement

45 lecture hours

Prerequisite: ENG 101 or appropriate ACCUPLACER scores

The movements of human populations predate written human history. This course examines the underlying social, political and economic reasons that people moved and were moved to create the modern world. It examines the impact of human migration on both the giving and receiving societies, the linkages with the society of origin and the development of Diaspora identity. The course will explore both historic and contemporary Diasporas, both intersocietal and intrasocietal.

SOC 250: Sociology of the World System (3 credits)

Meets Category VI General Education Requirement

45 lecture hours

Prerequisite: ENG 101 or appropriate ACCUPLACER scores

This course traces the development of regional world systems into the creation of a single world system from the 16th century to the present. Integrating economic, political, and cultural elements, the course explores the increasing interdependence of the world. Also addressed are theories of development and modernization regarding the uneven development of nation-states in the industrial period.

SPANISH SPA

SPA 101: Spanish Elements I (3 credits)

45 lecture hours

Students are taught how to function in the language and how the language functions. Emphasis is placed on pronunciation, vocabulary development, and grammatical patterns. The course meets the needs of those who have had no previous instruction in the language. The intent is to develop in the student the ability to speak, read, and write in Spanish.

SPA 102: Spanish Elements II (3 credits)

45 lecture hours

Prerequisite: SPA 101

This course continues, for students who have completed SPA 101, the study of the fundamentals of Spanish. Emphasis is placed on advanced grammatical patterns, pronunciation, and vocabulary development. Students read short stories, newspapers, magazines, and excerpts from Cervantes, Lope de Vega, and other notable writers in Spanish.

SPA 201: Intermediate Spanish I (3 credits)

45 lecture hours

A brief review of grammar combined with an introduction to contemporary Hispanic culture and literature is provided in these courses.

SPA 202: Intermediate Spanish II (3 credits)

45 lecture hours

Prerequisite: SPA 201

This course continues, for students who have completed SPA 201, a review of grammar combined with an introduction to contemporary Hispanic culture and literature is provided in these courses.

SPECIAL EDUCATION SED

SED 220: Special Education: An Overview (3 credits)

45 lecture hours

Prerequisites: ENG 101

The field of special education and the population it serves are introduced. The history of special education is discussed. Federal and State regulations are emphasized. Each exceptionality is presented in terms of group characteristics, accepted category definitions, causes of disorder, and developmental assessment and identification techniques. The course focuses on the need for early identification of special children and the ways in which these children can be identified. The physical and psychosocial needs of special children and the effects of their exceptionalities on their families, teachers, and peers are presented. Students are introduced to appropriate educational techniques and to individualized instructional approaches in the special education setting.

SED 223: Caring for Infants and Toddlers with Disabilities (3 credits)

36 lecture hours; 9 practicum hours

Prerequisite: SED 220

This course is modeled after a national training program for paraprofessionals and professionals who provide care for young children, infants, and toddlers with special needs. It is designed to address all aspects of caregiving for children with special needs and to increase caregivers' sensitivity and competency with this population. Topics such as positioning and handling, feeding techniques, and care of children with a variety of disabilities and chronic healthcare problems are included. Participants have the opportunity to improve communication skills with colleagues and parents. Family day care and center-based child care providers, education and health paraprofessionals, and professionals with limited experience with this population benefit from this unique training program.

COURSE DESCRIPTIONS

SED 225: Curriculum and Secondary Methods of Instruction for Adolescents with Mild to Moderate Disabilities (3 credits)

45 lecture hours

Prerequisites: ENG 101; SED 220

In this course, educators will be able to identify, describe, and apply various instructional strategies for adolescents with mild to moderate disabilities. In addition, educators will understand how to use these strategies effectively within a multicultural classroom of socially, ethnically and cognitively diverse learners. To improve performance of students in all academic areas, teachers will learn how to implement in an appropriate manner techniques for classroom management and varied individual and group instruction. The materials and instruction in this course are aligned with the standards of the Council for Exceptional Children and the Maryland State Department of Education's Essential Dimensions of Teaching.

SED 230: Curriculum and Elementary Methods of Instruction for Children with Mild to Moderate Disabilities (3 credits)

45 lecture hours

Prerequisites: ENG 101; SED 220

In this course, educators will be able to identify, describe and apply various instructional strategies for children with mild to moderate disabilities. They will understand how to use these strategies effectively within a multicultural classroom of socially, ethnically and cognitively diverse learners. To improve performance of students in all academic areas, teachers will learn how to implement in an appropriate manner techniques for classroom management and varied individual and group instruction. The materials and instruction in this course are aligned with the standards of the Council for Exceptional Children and the Maryland State Department of Education's Essential Dimensions of Teaching.

SED 235: Methods of Assessment in the Education of Adolescents with Mild to Moderate Disabilities (3 credits)

45 lecture hours

Prerequisites: SED 220

In this course, educators will examine intelligence, achievement, personality, and other standardized assessment appropriate for adolescent students. The course covers selection criteria, methods of administration, interpretation, and use of results for developing individualized educational plans and program planning. The materials and instruction in this course are aligned with the standards of the Council for Exceptional Children and the Maryland State Department of Education's Essential Dimensions of Teaching.

SED 238: Diagnostic and Prescriptive Techniques in IEP Development and Implementation (3 credits)

45 lecture hours

Prerequisite: SED 220

This course examines the development and implementation of the Individual Education Plan (IEP), utilizing a diagnostic and prescriptive system. Teachers examine various diagnostic and prescriptive systems of IEP development and programming and their application in different educational environments. The materials and instruction in this course are aligned with the standards of the Council for Exceptional Children and the Maryland State Department of Education's Essential Dimensions of Teaching.

SED 240: Methods of Assessment in the Education of Children with Mild to Moderate Disabilities (3 credits)

45 lecture hours

Prerequisites: ENG 101; SED 220

In this course, educators will examine the function, methods and role of assessment in planning for special education students whose cultures, home languages and learning styles are diverse. Educators will also examine the strategies in the selection and use of appropriate assessments in the development of individualized education plans and overall program planning. Educators will examine strategies of assessment, reporting, communicating with parents and professionals and conducting assessment.

SED 245: Prevocational and Vocational Planning and Methods of Instruction for Students with Mild to Moderate Disabilities (3 credits)

45 lecture hours

Prerequisites: ENG 101; SED 220

This course examines current program adaptation and approaches for teaching prevocational and vocational skills to students with mild to moderate disabilities. The materials and instruction in this course are aligned with the standards of the Council for Exceptional Children and the Maryland State Department of Education's Essential Dimensions of Teaching.

SED 250: Student Practicum in Special Education (5 credits)

36 seminar hours; 90 fieldwork hours

Prerequisites: SED 220; SED 223

Students have the opportunity to apply the theory learned in SED 223 in a supervised field placement. During the seminar, students are given an opportunity to evaluate and build on both theory and practice.

COURSE DESCRIPTIONS

SED 256: Successful Inclusive Teaching Methods: Curriculum and the Management of Students with Disabilities in the Regular Classroom (3 Credits)

45 lecture hours

Prerequisite: SED 220

In this course educators will be able to identify, describe, and apply various instructional strategies within an inclusive classroom, for children with disabilities who have a 504 or an individualized education plan (IEP). They will gain understanding of how to use these strategies effectively within a multicultural classroom of socially, ethnically and cognitively diverse learners. Teachers will learn how to appropriately implement varied individual and group instructional and classroom management techniques to increase Adequate Yearly Progress (AYP) of all students in all academic areas. The materials and instruction in this course are aligned with the standards of the Council for Exceptional Children and the Maryland State Department of Education's Essential Dimensions of Teaching.

SED 260: Communication & Consultation in the Implementation of Special Education (3 credits)

45 lecture hours

Prerequisites: ENG 101; SED 220

In this course, educators will learn strategies and techniques to develop effective communication with parents, school personnel, members of the multidisciplinary team, other professional disciplines and the community to provide quality education and services to children in special education. The materials and instruction in this course are aligned with the standards of the Council for Exceptional Children and the Maryland State Department of Education's Essential Dimensions of Teaching.

SPEECH SP

SP 101: Fundamentals of Speech Communication (3 credits)

Meets Category I General Education Requirements

45 lecture hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

Human communication in both a theoretical and an experiential framework is investigated. Areas of study include communication theory, interviewing, and informative and persuasive speaking. Students prepare and present informative and persuasive speeches based on classic models. Theory, preparation, appropriate form, and delivery are studied and evaluated. Each student is responsible for at least one formal interview and three speeches. Several impromptu speeches may be included.

SP 141: Voice and Diction (3 credits)

45 lecture hours

The mechanics of oral communication are intensively studied. Students develop the ability to execute correctly the sounds of standard American English through the use of drills, exercises, oral readings, and phonetic transcriptions. The English portion of the International Phonetic Alphabet (IPA) is used extensively.

SP 240: Oral Interpretation of Literature (3 credits)

45 lecture hours

Students are acquainted with the general principles of oral reading and the art of oral interpretation of poetry, short stories, and drama. Required student performance in the second half of the course is evaluated.

SURGICAL TECHNOLOGY SGT

SGT 101: Instrumentation (3 credits)

30 lecture hours; 45 lab hours

Prerequisites: 2.5 GPA; PRE 100; ENG 101; MAT 128; SP 101

Corequisites: AH 130; BIO 107; SOC 101

Lab fee

This course is an introduction to basic surgical instrumentation along with specific nomenclature and classification. Instruction in the care, use, and handling of instrumentation is provided through hands-on application. Concepts of sterilization and disinfections and their effects on the wound-healing process are included. Wound-closure materials, incisions, standard precautions, and hemostatic mechanisms are also introduced.

SGT 103: Introduction of Surgical Technology (5 credits)

30 lecture hours; 90 lab hours

Prerequisites: AH 130; BIO 107; SGT 101; SOC 101

Corequisites: AH 230; SGT 104

Lab fee

This course introduces the student to the fundamentals of aseptic technique and prepares them for functioning in an operating room (OR). The healthcare team, layout of an operating room suite, and OR attire is discussed. Scrubbing, gowning, and gloving are introduced along with the concepts of maintaining a sterile field. Demonstrations and return demonstrations provide opportunities for student participation in the circulating, surgical assistant, and scrub roles. A student's returned demonstrations are enhanced through repeated timed performances. The principles of anesthesia are also introduced.

COURSE DESCRIPTIONS

SGT 104: Basic Surgical Procedures (3 credits)

30 lecture hours; 45 lab hours

Prerequisites: AH 130; BIO 107; SGT 101; SGT 102; SOC 101

Corequisites: AH 230; SGT 103; SGT 205

Lab fee

This course is an introduction to basic surgical procedures. Diagnostic endoscopies; otorhinolaryngology, including T and A, myringotomy and Caldwell Luc; head and neck, including thyroidectomy, tracheostomy, laryngectomy, radical neck; and general, including breast, skin grafts and herniorrhaphies are discussed. Specific clinical conditions, signs and symptoms, and surgical intervention are explored from a step-by-step scrub approach. Students are expected to assimilate each surgical procedure through written documentation and identify prerequisite instrumentation and miscellaneous supplies. Surgical positions and precautionary measures are also included.

SGT 105: Hospital Clinical I (5 credits)

225 clinical hours

Prerequisites: AH 230; BIO 107; SGT 103; SGT 104

Lab fee

This is the first clinical practicum that introduces the student to an actual operating room setting. Students are assigned to a clinical affiliation five days a week, totaling 280 of the program's required clinical hours. Under the direct supervision of operating room personnel, students are provided the opportunity to participate and apply the principles of aseptic technique introduced in SGT 103. Recommended scrub performances include but are not limited to surgical procedures introduced in SGT 104. Students must document all clinical experiences. Assigned competency-based clinical skills and required clinical hours must be successfully completed and appropriately checked off before the student can proceed in the program.

SGT 201: Hospital Clinical II (4 credits)

240 clinical hours

Prerequisite: SGT 105

Corequisites: AH 135; BIO 212; SGT 201, SGT 205

Under the direct supervision of operating room personnel, the student is allowed to participate as a member of the surgical team. Opportunity is now provided for the student to scrub on more advanced surgical procedures to include, but not limited to, those introduced in SGT 205. This course provides 240 of the program's required clinical hours--8 hours/day, 2 days/week for 15 weeks. Assigned competency-based clinical skills and required clinical hours must be successfully completed and appropriately checked-off before the student can proceed in the program.

SGT 205: More Advanced Surgical Procedures (3 credits)

30 lecture hours; 45 laboratory hours

Prerequisite: SGT 105

Corequisites: AH 135; BIO 212; SGT 201; 205

Lab fee

This course is an introduction to more advanced surgical procedures. Surgical considerations involving the biliary tract, gastrointestinal, genitourinary, gynecology, ophthalmology, and pediatrics are all discussed. In addition to new concepts in surgical intervention, more complicated types of instrumentation are introduced. Students learn to anticipate the surgeon's needs through the process of association and the identification of applied surgical patterns. Assigned observational visits, guided tours, guest lecturers, and clinical in-service presentations enhance and complement course content.

SGT 210: Hospital Clinical III (4 credits)

240 clinical hours

Prerequisites: AH 135; BIO 212; SGT 201; SGT 205

Corequisites: AH 110; PSY 101; SGT 215

Lab fee

Under direct supervision of operating room personnel, the student is allowed to participate as a member of the surgical team. Opportunity is provided to scrub on advanced and specialty procedures that include, but are not limited to, those procedures introduced in SGT 215. This course provides 240 of the program's required clinical hours--8 hours/day, 2 days/week for 15 weeks. Assigned competency-based clinical skills and required clinical hours must be successfully completed and appropriately checked-off before the student can proceed in the program.

SGT 215: Advanced and Specialized Procedures (3 credits)

30 lecture hours; 45 lab hours

Prerequisites: AH 135; BIO 212; SGT 201; SGT 205

Corequisites: AH 110; PSY 101; SGT 210

Lab fee

This course is the final semester of advanced surgical procedures and introduces the concepts of neurology, thoracic, cardiac, orthopedic, vascular, and transplant surgery. In addition to new concepts in surgical intervention, more complicated types of instrumentation are introduced. Students learn to anticipate the surgeon's needs through the process of association and the identification of applied surgical patterns. Assigned observational visits, guided tours, guest lecturers, and clinical in-service presentations enhance and complement course content.

COURSE DESCRIPTIONS

TELECOMMUNICATIONS TEL

TEL 100: Introduction to Business Telecommunications (3 credits)

45 lecture hours

Prerequisite: College-level Mathematics Equivalence

This course introduces students to telecommunications technology, both voice and data. The course begins with a brief history of telecommunications in North America. Open Systems Interconnection (OSI) and Standard Organizations are also discussed. LAN, MAN, WAN, BN and network components are covered in this course. Network security issues and various case studies from Dow Corning telecommunications are discussed.

NOTE: There is no lab for this course.

TEL 140: PC Local Area Networks (3 credits)

30 lecture hours; 45 lab hours

Prerequisite: College-level Mathematics Equivalence

Lab fee

Instruction prepares a student to build a network from computer components. The course surveys the need for networks, hardware and software specifications, network installations, communications theory, and the administration of networks. The student builds a network, installs an operating system, and uses the network.

THEATRE THEA

THEA 101: Introduction to the Theatre (3 credits)

30 lecture hours; 30 lab hours

Prerequisites: ENG 82 or RENG 92 or appropriate course waivers or ACCUPLACER scores

An introductory study of the art of theatre, its components, production personnel, and interdependent relationships necessary for successful theatrical presentation, from conceptualization to execution, both on-stage and backstage. Students will be required to participate in a one-act theatrical production.

THEA 107: Script Analysis (3 credits)

45 lecture hours

Prerequisite: THEA 101 and ENG 101

An introductory course providing initial resources for the student actor/writer/director/designer to develop and apply learned skills in the organic, textually derived analysis of dramatic literature from varying perspectives.

THEA 111: ACTING I - for the Theatre Major (3 credits)

30 lecture hours; 30 lab hours

Prerequisite: THEA 101

Acting as a craft and selected business dynamics associated with a career in acting are examined. Through this course, students gain an understanding of the craft and its execution based on the Stanislavski method, and participate in intensive scene work and exercises in how to play the theatrical moment through to its organic completion.

THEA 112: Movement for the Stage Actor (3 credits)

45 lecture hours

Prerequisite: THEA 111

The actor's body is an instrument requiring development for effective physical characterization on stage. The course focuses on the appearance, alignment, attitude, purposeful movement and interaction of the actor in scene studies. Building and releasing physical tension, spatial awareness, related movement elements, and theories are explored.

THEA 113: Vocal Production for the Actor (3 credits)

45 lecture hours; 45 lab hours

Prerequisite: THEA 111

An exploration of both the theoretical and practical applications of effective vocal production techniques for the actor, including: identifying the actor's natural vocal quality, developing sustained vocal capacity, strengthening vocal responsiveness, stamina, and breath control, resulting in effective vocal delivery for the stage.

THEA 200: History of the Theatre I (3 credits)

45 contact hours

Prerequisite: THEA 107

The introductory level and study of theatre development within its historical context, from early rituals to the Age of Romanticism. Students will receive a basic primer on the period's historical figures, critical literature and drama, styles, movements, and resulting forms.

THEA 201: History of the Theatre II (3 credits)

45 contact hours

Prerequisite: THEA 107

A continuation of THEA 200, the course focuses on theatre development within its context, from the Age of Romanticism to the 21st century. Students receive a basic primer on the period's historical figures, critical literature and drama, styles, movements, and resulting forms.

THEA 210: Acting II -- for the Theatre Major (3 credits)

45 contact hours

Prerequisite: THEA 111; ENG 101; SP 101

A continuation of THEA 111, the course focuses on advanced techniques to refine character development, further explore textual and sub-textual script meanings, begin advanced scene study, and continue and enhance organically derived interpretations based on finding and playing a scene's action through the rehearsal process. The course also examines both the craft and business dynamics of a career in acting. In-depth discussion and execution of areas related to the business of acting include getting the audition and job, preparing headshots and resumes, unions, casting directors, agents, managers and contracts. Students are expected to develop a resume, headshot, portfolio of audition material, and game plan for auditioning, both locally and regionally.

THEA 250: Theatre Production Workshop (3 credits)

90-120 practicum hours

Prerequisite: Permission of instructor via audition and/or interview

THEA 250 is an intense practicum focused on the art and craft of theatre design and production. The course provides students an opportunity to participate in faculty-directed, department-sponsored productions. A typical rehearsal process requires approximately three hours rehearsal, three to five nights per week, for six to eight weeks, plus six performances. Participation will be defined as theatrical performance as well as theatre design and production, including directing, costuming, lighting, make-up, management, scenery, safety, sound, and rigging techniques and practices. Students will work toward the creation of one substantial production with all the supportive elements necessary to stage a performance for public presentation. Students will not be permitted to earn concurrent credit for THEA 250 and DAN 250 when participating in a single production unless special permission is granted by the production director. The course may be repeated for up to six credits.

COURSE DESCRIPTIONS





FACULTY AND STAFF

Executive Staff

President/CEO

Gordon F. May, Ph.D.

Vice President for Academic Affairs

Accreditation Liaison Officer

Tonja L. Ringgold, Ed.D.

Vice President for Student Affairs

Marguerite Weber, D.A.

Interim Vice President for Business and Continuing Education

Vincent Whitmore, M.A.

Interim Vice President Institutional Advancement, Marketing & Research

Nassim Ebrahimi Ph.D.

Vice President

Business and Finance

Calvin H. Harris Jr., B.A., CPA

Chief Information Officer

Hamid Barghi, Ph.D.

Vice President, Strategic Partnerships and Advancement

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Chief Internal Auditor

Lyllis M. Green, M.S., M.B.A., CIA

Director of Public Safety

Leonard Willis

Chief of Staff and General Counsel

Bryan Perry, J.D.

Assistant to the President

Valerie Leverette-Bey, B.S.

Emeriti

Joseph T. Durham

President Emeritus

Richard M. Turner, III, D.M.E.

President Emeritus

William V. Lockwood

Vice President Emeritus

Professors Emeriti

1984 Harry W. F. Dressel Jr.

Elmer P. West

1985 S. Isabelle Gaare

1997 Elka Levin

2010 Walter Dean

Harry E. Smith Sr.

2015 James E. Coleman

Joan M. Finucci

Joanne Settel

2016 Dr. Carolyn Dabiraiaghi

College Deans

School of Nursing & Health Professions

Scott Olden, M.S., RN

Liberty NUR 306

410-462-8417

School of Arts and Social Sciences

Dennis Weeks, Ph.D.

Liberty MNB 212E

410-462-7405

School of Business, Science, Technology, Engineering and Mathematics

Enyinnaya Bob Iweha, M.D.

Liberty LSB 328

410-462-7637

Academic Operations and Services

Daphne Snowden, Ed.D.

Liberty MNB 251C

410-462-7697

Enrollment Management

Sylvia Rochester, M.S.

Liberty MNB 06E

410-462-8371

Student Development

Nicole Cameron-Becketts, M.S.

Liberty MNB 117

410-462-8340

Academic Associate Deans

Business and Technology

Enyinnaya Bob Iweha, M.D. (Interim)

Liberty LSB 328

410-462-7637

Mathematics and Engineering

Scott Saunders, M.A.

Liberty LSB 211

410-462-8242

Biological and Physical Sciences

Anil Malaki, M.D.

Liberty LSB 308

410-462-7652

English, Humanities, Visual and Performing Arts

Melvin Brooks, M.Ed.

Liberty FA 168

410-462-8558

Nursing and Dental Hygiene

Dorothy Holley, M.S., M.Ed., R.N.

Liberty NUR 306

410-462-7771

Health Professions

Lesley Brown, Ph.D

Liberty MNB 117E

410-462-7484

Interim Associate Dean of Allied Health Professions

Diana Zilberman, Ph.D.

Harper Hall 111

410-462-7719

Academic Program Coordinators

Accounting

Brian Lazarus, M.B.A., CPA, CGMA

Liberty LSB 340

410-462-7468

Addiction Counseling

Associate Dean, ESBS

Liberty MNB 253J

410-462-7660

Art

Melvin Brooks, M.Ed.

Liberty FA 168

410-462-8558

Biotechnology

Kathleen Kennedy, Ph.D.

UM BioPark, 233D

410-637-3805

Biotechnology Lab Certificate

Amrita Madabushi, Ph.D.

UM Biopark, 233B

410-637-3805

Business Administration Transfer Business Management/Marketing

Cortez Walker, M.B.A.

Liberty MNB 233E

410-462-7695

Computer-Aided Drafting and Design

Yohannes Weldegiorgis, Ph.D.

Liberty MNB 323C

410-462-8522

Computer Information Systems

Chima Ugah, M.S.

Liberty LSB 344

410-462-8542

Construction Supervision

Solomon Fakinlede, Ph.D.
Liberty Fine Arts 163
410-462-8326

Cyber Security and Assurance

Chima Ugah, M.S.
Liberty LSB 344
410-462-8542

Dental Hygiene

Annette Russell, M.S.
Liberty LSB 220
410-462-7718

Early Childhood Education

Darlene Godwin, M.Ed.
Liberty MNB 253I
410-462-8521

Education

Lorraine Brown, M.Ed.
Liberty 253G
410-462-7781

Electrical Engineering

Michael Kaye, M.S.
Liberty LSB 207
410-462-8401

Engineering Transfer

Yun Liu, Ph.D.
Liberty LSB 206 - 410-462-8324
and
Michael Kaye, M.S.
Liberty 207 - 410-410-8401

Fashion Design

Samii Kennedy-Benson, M.S.
Liberty MNB 217
410-462-8404

General Studies Transfer

Servio-Mariano, Ph.D.
Liberty MNB 305C
410-462-7447

Health Information Technology

Jacqueline C. McNair, M.S.
Liberty NUR 302K
410-462-7722

Lab Animal Science

Amrita Madabushi, Ph.D.
UM BioPark 233B
410-637-3803

Law Enforcement and Correctional Administration

Edward Jackson, M.S.
Liberty MNB 305F
410-462-7675

Legal Assistant

Autumn Wallace, J.D.
Liberty MNB 253H
410-462-7606

Mathematics

Thao-Nhi Luu, M.S.
Liberty LSB 201
410-462-7681

Music

Charles Arnette
Liberty Fine Arts 071B
410-462-8220

Nursing

Deirdre Stokes, M.A.S.
Liberty NUR 306
410-462-7778

Paramedicine

Arthur Kohne,
Liberty MNB 302C
410-462-7731

Physical Therapist Assistant

James Dyett, PTA, Ph.D.
Liberty MNB 117F
410-462-7723

Psychology

Adia Garrett, Ph.D.
Liberty MNB 303C
410-462-8017

Respiratory Care

Tiloy Gilyard, M.A., RRT
Liberty MNB 231F
410-462-7746

Robotics Technology

Ye Liu, Ph.D.
Liberty LSB 208
410-462-7739

Yun Liu

Liberty LSB 206
410-462-8324

Science Transfer

Adewale Laditan, M.D.
Liberty LSB 335
410-462-7483

Surgical Technology

Andrea Drisdorn, B.S.
Liberty, Nursing 309
410-462-7756

Theatre

Katana Hall, Ph.D.
Liberty, MNB 164C
410-462-9314

Faculty

Elissa Abod, Ph.D.

Assistant Professor, Psychology Education, Social & Behavioral Sciences
Ph.D., George Mason University, Industrial/Organizational Psychology
M.A., Fairleigh Dickinson University, Industrial Psychology
B.A., The Pennsylvania State University, Psychology

Mohamed Ahmed, Ph.D.

Assistant Professor, Chemistry Biological and Physical Sciences
B.S., Cairo University, Pharmacy
M.S., Eastern Michigan University, Chemistry
Ph.D., Howard University, Chemistry

George M. Andrews, Ph.D.

Professor of Addiction Counseling and Mental Health Education, Social and Behavioral Sciences
B.A., Western Maryland College, Social Work
M.S.W., University of Maryland, Baltimore, Social Work
Ph.D., Walden University, Psychology, including Sports/Exercise Psychology

Charles Arnette

Assistant Professor, Music Education, Social and Behavioral Sciences
B.A., Morgan State University, Music Education
M.A., Morgans State University, Music

Shiree Arvin

Assistant Professor, Nursing Nursing and Health Professions
B.S., Coppin State College
M.S.N., Bowie State University, Nursing

Mitzi Bass

Assistant Professor, Nursing Nursing and Health Professions
B.S., University of Phoenix, Nursing
M.S., University of Phoenix, Nursing
M.S., Kaplan University, Public Health

Linda Benjamin

Professor, Business Administration Business and Technology
B.A., University of California, Santa Barbara, Liberal Arts; Psychology/Sociology
M.B.A., California Lutheran University, Business Administration

FACULTY AND STAFF

Kathleen A. Berlyn, Ph.D.

Assistant Professor, Microbiology
Biological and Physical Sciences
A.A., Phoenix College, Arizona,
Liberal Arts

B.S., Arizona State University, Botany
and Microbiology

Ph.D., University of Arizona,
Microbiology and Immunology

Lorraine Brown

Assistant Professor, Education
Education, Social and Behavioral
Sciences

A.A.S., Broome Community College,
Business/Sociology

B.A., St. Thomas University,
Sociology/Counseling

M.Ed., Coppin State College, Special
Education

Patricia Clark-Black

Assistant Professor, Nursing
Nursing and Health Professions

B.S.N., Coppin State University

M.S.N., University of Maryland School
of Nursing

Theron Coleman

Assistant Professor, English
English, Humanities, Visual and
Performing Arts

B.A., Coppin State College, English

M.A., Morgan State University, English

Angelique Cook-Hayes

Assistant Professor, Developmental
English

English, Humanities, Visual and
Performing Arts

B.S., Coppin State College,
Criminal Justice

M.S., Towson University,
Professional Writing

Quintin Davis, CPA

Assistant Professor, Accounting
B.S., Southern University A & M

M. S., Fontbonne University

Genevieve Dibua, Ph.D.

Assistant Professor, Reading
English, Humanities, Visual and
Performing Arts

B.A., University of Ilorin, Linguistics

M.A., University of Ibadan, Linguistics

Ph.D., University of Maryland

Baltimore County,

Language, Literacy, and Culture

Shelly Dobbins

Assistant Professor, Respiratory Care
Nursing and Health Professions

A.A., Baltimore City Community

College, Respiratory Care

B.S., University of Baltimore

Terry Doty

Assistant Professor, Dental Hygiene
Nursing and Health Professions

A.A.S, Baltimore City Community
College

BS, University of Maryland,

Baltimore, Dental Hygiene

MS, University of Maryland,

Baltimore, Education and Dental
Hygiene

Andrea Drisdorn

Assistant Professor, Surgical
Technologist

Nursing and Health Professions

B.S., Norfolk State University,

Psychology

Cert., Durham Technical Community

College, Surgical Technology

James M. Dyett Jr., PTA, Ph.D.

Associate Professor, Physical
Therapy

Nursing and Health Professions

Cert., Baltimore School of Massage,
Massage Therapy

A.A., Baltimore City Community

College, Physical Therapist Assistant

B.B.A., American Continental

University, Healthcare Management

M.Ed., American Intercontinental

University, Instructional Technology

Ph.D., Capella University, Education

Edward Ennels

Professor, Mathematics

Mathematics and Engineering

B.A., Salisbury University, Psychology

M.S., Salisbury University,

Mathematics Education

Kimberly Erdman

Assistant Professor, Dental Hygiene
Nursing and Health Professions

A.A.S., Pennsylvania College of

Technology, Dental Hygiene

B.S., Pennsylvania College of

Technology, Dental Hygiene

M.S., University of Bridgeport, Dental

Hygiene

Solomon Fakinlede, Ph.D.

Associate Professor, Construction
Supervision

Business and Technology

B.S., Kharkov Institute of Municipal

Engineering, Architecture

M.S., Kharkov Institute of Municipal

Engineering, Architecture

Ph.D., Leadership and Organizational

Change

Wendweson Fikire

Assistant Professor, Chemistry
Biological and Physical Sciences

A.A., Kotebe College of Teacher
Education, Chemistry

B.S., Charles University of Prague,

Geo Chemistry

M.S., Charles University of Prague,

Geo Chemistry

Fekadu Folle, Ph.D.

Professor, Chemistry

Biological and Physical Sciences
B.S., Alabama A&M, Agricultural

Science

M.S., Alabama A&M, Soil Science

Ph.D., University of Maryland,

College Park, Geology

Adia Garrett, Ph.D.

Assistant Professor, Psychology
Education, Social and Behavioral
Sciences

B.S., Morgan State University,

Psychology

Ph.D., University of Maryland,

Baltimore, Applied Developmental

Psychology

Tiloy Gilyard, M.A.

Assistant Professor, Respiratory Care
Nursing and Health Professions

A.A., Baltimore City Community

College

B.S., Towson University

M.A., Ashford University

Marianna Gleger

Assistant Professor, Mathematics
Mathematics and Engineering

B.S., Pedagogical University,

Mathematics

M.S., Pedagogical University,

Mathematics Education

Darlene Godwin

Associate Professor, Early
Childhood Education

Education, Social and Behavioral

Sciences

B.A, University of Maryland, College

Park, General Studies

M.Ed., Towson University, Early

Childhood Education

Jeffrey Grell

Assistant Professor, Mathematics
Mathematics and Engineering

B.S., The University of the

West Indies, Special Mathematics

M.Phil., The University of the West

Indies, Mathematics

M.S.E. Johns Hopkins University,

Science Engineering

Katana L. Hall, Ph.D.

*Professor, English and Theater
English, Humanities, Visual and
Performing Arts
B.A., Morgan State University,
Theatre and English
MFA, New York University, Dramatic
Writing, Television, and Film
Ph.D., Bowling Green State
University, Theatre, English, Oral
Interpretation/Speech*

Charles Hayes

*Assistant Professor, Nursing
A.S., Montgomery College, General
Studies
A.A., Excelsior College, Nursing
B.A., Bowie State University, Nursing
M.S., University of Maryland
Baltimore, Nursing*

Charmine Holt

*Associate Professor, Nursing
Nursing and Health Professions
B.S., Coppin State University, Nursing
B.S., Lincoln University, Biology
M.S., Towson University, Nursing
Education*

Edward C. Jackson

*Assistant Professor, Criminal Justice
Education, Social and Behavioral
Sciences
B.S., Coppin State College, Criminal
Justice/Police Administration
M.S., The Johns Hopkins University,
Applied Behavior Sciences/
Community Development*

Anthony Johnakin

*Assistant Professor, Allied Human
Services
Education, Social and Behavioral
Sciences
B.S.W., Coppin State University,
Social Work
M.S.W., University of Maryland
Baltimore, Social Work*

Rebecca Johns-Hackett

*Associate Professor, History
Education, Social and Behavioral
Sciences
B.A., University of Maryland,
Baltimore County, African American
Studies
M.A., University of Maryland,
Baltimore County, History*

Alexandra Jones, Ph.D.

*Assistant Professor, Sociology
Education, Social & Behavioral
Sciences
Ph.D., University of California,
Anthropology
M.A., University of California,
Anthropology
M.A., Howard University, History
B.A., Howard University, Anthropology
B.A., Howard University, History*

Angela Jones

*Assistant Professor, Health and
Life Fitness
Nursing and Health Professions
B.S., Towson University, Physical
Education
M.S., Indiana State University,
Physical Education*

Tonya Jones

*Assistant Professor, English
English, Humanities, Visual and
Performing Arts
B.A., University of Maryland, English
Language and Literature
M.A., George Washington University,
Education and Human Development
M.S., University of Phoenix,
Psychology*

Michael Kaye

*Associate Professor, Mathematics
and Engineering
Mathematics and Engineering
B.S., Carnegie Mellon University,
Electrical and Computer Engineering
M.S., Carnegie Mellon University,
Electrical and Computer
Engineering*

Fatai Kazeem, Ph.D

*Assistant Professor, Business
Administration
Business and Technology Department
B.A., Upper Iowa University
M.B.P.A., South Eastern University
Ph.D., Walden University*

Kathleen K. Norris, Ph.D.

*Professor, Biotechnology
Director of Life Sciences Institute
Biological and Physical Sciences
Ph.D., Pennsylvania State University,
Genetics
B.A., Lycoming College, Biology*

Samii Kennedy Benson

*Assistant Professor, Fashion Design
Business and Technology Department
B.S., South Carolina State University
M.S., University of Georgia*

Sofya Kerzhner

*Assistant Professor, Mathematics
Mathematics and Engineering
B.S., Ural State University,
Mechanics
M.S., Ural State University,
Mechanics*

Alice W. Kimara

*Assistant Professor, English
English, Humanities, Visual and
Performing Arts
B.Ed., Daystar University, Nairobi,
Education and English
M.Ed., Indiana University of PA,
Literacy*

Abdelkebir Kmir

*Assistant Professor, Computer
Information Systems
Business and Technology Department
B.A., Oklahoma City University
M.S., Oklahoma City University
Ph.D., Nova Southeastern University*

Dariusz A. Kochesfahani

*Associate Professor, Mathematics
and Computer Science
Mathematics and Engineering
B.S., University of Baltimore, Data
Processing
M.S., University of Baltimore,
Management Information Systems*

Zak Kondo

*Associate Professor, History
Education, Social and Behavioral
Sciences
B.A., James Madison University,
History
B.S., M.A., University of Virginia,
History*

Adewale Laditan, M.D.

*Associate Professor, Biology, Anatomy
and Physiology
Biological and Physical Sciences
MB, ChB (MD), University of Glasgow
Medical School, United Kingdom, UKI*

Shawn L. Lane, Ed.D

*Associate Professor, Business
Administration
Business and Technology
B.S., University of Maryland,
University College, Technology and
Management
M.G.A., University of Maryland, Human
Resources Management
Ed.D., Morgan State University,
Community College Leadership*

Brian R. Lazarus, CPA, CGMA

*Associate Professor, Accounting
Business and Technology
B.A., Towson University, Business
Administration
M.B.A., University of Baltimore.
International Business*

FACULTY AND STAFF

Patricia Lee

Assistant Professor, Nursing
A.A., Baltimore City Community
College, General Studies
A.S., Baltimore City Community
College, Nursing
B.A., Coppin State University, Nursing
M.S., Walden University,
Nursing

Rochelle Lemon-Howard

Assistant Professor, Nursing
Nursing and Health Professions
A.D.N., Baltimore City Community
College
B.S.N., Coppin State University
M.S.N., Notre Dame of Maryland
University

Tracy Leshan

Professor, Mathematics
Mathematics and Engineering
B.A., University of Toledo,
Mathematics Education
M.Ed., Bowling Green State
University, Mathematics

Meloney Levy, Ph.D.

Assistant Professor, Public Speaking
English, Humanities, Visual and
Performing Arts
B.A., University of West Indies,
Mass Communication
M.A., Howard University,
Communication
Ph.D., Howard University, Human
Communications Study

Ye Liu, Ph.D.

Assistant Professor, Electrical
Engineering/Mechatronics
Mathematics and Engineering
B.S., Huazhong University of Science
and Technology, China, Mechanical
Engineering
M.S., Huazhong University, Control
Theory and Control Engineering
M.S., University of Iowa, Mechanical
Engineering
Ph.D., University of Iowa, Mechanical
Engineering

Yun Liu, Ph.D.

Professor, Mathematics
Mathematics and Engineering
B.S., Huazhong University of Science
and Technology, China
M.Eng., Morgan State University,
Engineering
M.S., University of Northern Virginia
Ph.D., Morgan State University,
Engineering

Paul Long

Associate Professor, English
English, Humanities, Visual and
Performing Arts
A.A., Piedmont Virginia Community
College, General Studies
B.A., University of Virginia,
English Writing
M.A., Columbia University,
English Education
M.F.A., Brown University,
Creative Writing Poetry, Fine Arts

Thao-Nhi Luu

Assistant Professor, Mathematics
Mathematics and Engineering
B.A., University of California,
Mathematics
M.S., University of California,
Riverside, Mathematics

Amrita Madabushi, Ph.D.

Assistant Professor, Biotechnology
Biological and Physical Sciences
M.S., Birla Institute of Tech and
Science, Biological Sciences
and Physics
Ph.D., Jawaharlal Nehru University,
Biochemistry

Virgie A. Mason

Assistant Professor, English and Film
English, Humanities, Visual and
Performing Arts
B.A., University of Maryland,
Eastern Shore, English Education
M.M.S., Loyola College of Maryland,
Modern Studies

Lance Mauck

Assistant Professor, Health and
Life Fitness
Nursing and Health Professions
A.A., Community College of Baltimore
County
B.S., Davis and Elkins College
M.Ed., Salem International University,
Curriculum, Physical Education and
Instruction

Jacqueline C. McNair

Assistant Professor, Health
Information Technology
Nursing and Health Professions
A.A., Community College of
Baltimore, Medical Records
Technology
B.S., National Education Center,
Applied Behavioral Sciences
M.A., Walden University, Public Health

Grace E. McNeal

Assistant Professor, Nursing
Nursing and Health Professions
A.A.S., The King's College,
Briarcliff Manor, New York, Nursing
B.S.N., Cornell University, Nursing
M.S.N., University of Maryland,
Baltimore, Nursing

Rose M. Monroe, Ph.D.

Professor, English
English, Humanities, Visual and
Performing Arts
B.A., Utica College of Syracuse
University, English
M.S., Morgan State University,
Reading Specialist
Ph.D., Capella University, Education,
Instructional Design Online Learning

Latonia Moss

Assistant Professor, English and
Speech
English, Humanities, Visual and
Performing Arts
B.A., Towson University,
Telecommunications
M.A., Morgan State University
M.F.A., University of Baltimore, Mass
Communication, Creative Writing
and Publishing Arts

Sadiq Nuur

Assistant Professor, Computer
Information Systems
Business and Technology
B.S., Allama Iqbal Open University
Master of Internet Engineering,
Capitol College

Tariq Nuur

Assistant Professor, Computer
Information Systems
Business and Technology
B.C.S., National College of
Commerce, Computer Science
M.C.S., University of the Punjab,
Computer Science
M.S., Capital College, Internet
Engineering

Emmanuel Okereke, M.D.

Assistant Professor, Anatomy and
Physiology
Biological and Physical Sciences
B.S., Fourah Bay College,
Sierra Leone, Biology
M.D., University of Benin

Olarotimi Olojo, Ph.D.

Assistant Professor, Chemistry
Natural and Physical Sciences
B.S. Obafemi Awolowo
University, Chemistry
M.S., Obafemi Awolowo
University, Chemistry
Ph.D., West Virginia University,
Chemistry

Solomon Iyobosa Omo-Osagie II, Ph.D.

*Professor, Political Science
Education, Social and Behavioral
Sciences
B.S., Coppin State University, Social
Sciences
M.A., Bowling Green State University,
Political Science
M.A., St. Mary's Seminary and
University, Theology
Ph.D., Morgan State University, History*

Brenda Overton

*Associate Professor, Nursing
Nursing and Health Professions
B.S.N., Coppin State University
M.S.N., Bowie State University
MSHA, University of Maryland
University College*

Frederick Paraskevoudakis

*Professor, Microbiology
Natural and Physical Sciences
B.A., University of Maryland,
Baltimore County, Political Science
B.S.M.T., University of Maryland,
Baltimore, Medical Terminology
M.S., Towson University, Molecular
Biology
M.S., Johns Hopkins University,
Environmental Science*

Debra Parson, PT, DPT

*Assistant Professor, Physical Therapy
Nursing and Health Professions
B.S., Ithaca College, Physical Therapy
DPT, Shenandoah University,
Physical Therapy*

Laura M. Pope

*Assistant Professor, Developmental
English
English, Humanities, Visual and
Performing Arts
B.A., Goucher College, Pre-law
M.A., St. Mary's University,
Communication Art*

Naesea Price

*Assistant Professor, Developmental
English and Reading
English, Humanities, Visual and
Performing Arts
B.S., University of Baltimore,
Corporate Communication
M.S., Towson University, Reading
Education*

Carole Quine, Ed.D.

*Professor, Developmental English
and Reading
English, Humanities, Visual and
Performing Arts
B.A., University of Maryland,
Baltimore County, English
M.P.A., University of Baltimore,
Public Administration
M.Ed., Loyola College
Ed.D., Nova Southeastern University,
Instructional Leadership*

Malathi Radhakrishnan, Ph.D.

*Associate Professor, Biology
Biological and Physical Sciences
B.S., Queen Mary College, Botany
M.S., Pachaiyappa College,
Embryology
Ph.D., University of Madras,
Pharmacognosy, Phytochemistry,
and Pharmacology*

Nataliya Reznichenko, Ed.D.

*Associate Professor, Mathematics
Mathematics and Engineering
B.S., Moscow State Engineering
Physics University, Engineering
Physics
M.S., Moscow State Engineering
Physics University, Engineering
Physics
Ed.D. Morgan State University,
Mathematics Education*

Cheryl Rhodes

*Assistant Professor, English
English, Humanities, Visual and
Performing Arts
B.A., Coppin State University
M.A., Morgan State University, English*

Maria Robinson

*Assistant Professor, Nursing
Nursing and Health Professions
B.S., University of Maryland School of
Nursing
M.S., University of Maryland School of
Nursing*

Fariba Roozbehi

*Assistant Professor, Mathematics
Mathematics and Engineering
A.S., Erie Community College,
Buffalo, New York, Mathematics
B.A., University of Buffalo,
Mathematics
M.Ed., University of Buffalo,
Mathematics*

Annette M. Russell

*Assistant Professor, Dental Hygiene
Nursing and Health Professions
A.A., Community College of Baltimore
B.S., Morgan State University
M.S., University of Maryland,
University College,
Management and Technology,
Health Care Administration*

Mohammad Salajegheh

*Professor, Mathematics
Mathematics and Engineering
B.S., University of Tehran,
Mathematics
M.A., Central Michigan University,
Mathematics*

Mengesha Samon, Ph.D.

*Assistant Professor, Biology
B.S., Czech University of Agriculture,
Animal Production
M.S., Czech University of Agriculture,
Tropical and Subtropical Agriculture
Ph.D., Czech University of Agriculture,
Animal Production/Animal Nutrition*

Boyd Servio-Mariano, Ph.D.

*Assistant Professor, Sociology and
Anthropology
Education, Social and Behavioral
Sciences
B.A., State University of NY at
Cortland, Political Science
M.A., University of Albany, Latin
American & Caribbean Studies
M.A., University of Albany,
Anthropology
Ph.D., University of Albany,
Anthropology*

Karen L. Shallenberger, Ph.D.

*Professor, Psychology
Education, Social and Behavioral
Sciences
B.A., Elizabethtown College,
Psychology and Sociology
M.P.A., Pennsylvania State University,
Public Administration
Ph.D., State University of New York,
Counseling Psychology*

Sileshi Shewaneh

*Assistant Professor, English
English, Humanities, Visual and
Performing Arts
B.A., Addis Ababa University
M.A., St. Johns University,
Government and Policy
M.S., Towson University, Professional
Writing*

Michele Stewart

*Assistant Professor, Dental Hygiene
Nursing and Health Professions
A.A.S., Baltimore City Community
College, Dental Hygiene
B.S., University of Maryland,
Baltimore, Dental Hygiene*

Shannon Stiffler

*Assistant Professor, Dental Hygiene
Nursing and Health Professions
A.A.S., Baltimore City Community
College, Dental Hygiene
B.S., University of Maryland,
Baltimore, Dental Hygiene
M.S., University of Maryland
University College, Management*

FACULTY AND STAFF

Deirdre Stokes

Assistant Professor, Nursing
Nursing and Health Professions
B.S.N., University of Maryland,
Baltimore, Nursing
M.A.S., The Johns Hopkins University,
Administrative Science

Edna Street-Jones

Associate Professor, Dental Hygiene
Nursing and Health Professions
B.S., Morgan State University
D.D.S., University of Maryland,
Baltimore, Dentistry

Petal L. Sumner

Associate Professor, Mathematics
Mathematics and Engineering
B.S., Pennsylvania State University,
Computer Engineering
M.Ed., Arcadia University,
Mathematics Education

Theodore Tchamala, Ph.D.

Associate Professor, Philosophy
Education, Social and Behavioral
Sciences
B.A., University of Zaire, Theology
M.A., University of Manitoba, Public
Administration
Ph.D., University of Sorbonne,
Philosophy

Elfagid Tekaligne, M.D.

Assistant Professor, Anatomy and
Physiology
Biological and Physical Sciences
M.D., Masaryk University

Chikao Tsubaki

Associate Professor, English
English, Humanities, Visual and
Performing Arts
B.A., Washington College
M.A., University of Maryland,
Comparative Literature
M.L.A., The Johns Hopkins University,
Liberal Arts
CASE, The Johns Hopkins University
M.P.A., American University, Public
Administration

Chima O. Ugah

Professor, Computer Information
Systems
Business and Technology
A.A., Baltimore City Community
College
B.S., Morgan State University,
Business Administration
M.B.A., Morgan State University,
International Management
M.S., Bowie State University,
Information Sciences and Systems

Jà Hon Vance

Associate Professor, English and
Humanities
English, Humanities, Visual and
Performing Arts
B.A., Jackson State University,
English
M.A., Jackson State University,
English
M.S. Ed., Jackson State University,
Educational Leadership and
Supervision
Ed. S., Wayne State University,
Educational Administration and
Supervision

Cortez V. Walker

Assistant Professor, Business
Management and Marketing
Business and Technology
B.S., Morgan State University,
Business Administration
M.B.A., Morgan State University,
Management

Autumn Wallace

Assistant Professor/Coordinator, Legal
Assistant Program
B.A., Morgan State University, Pre-
Law, Global Communication
J.D., University of District of Columbia
David A. Clarke School of Law, Law

Carolyn Watson

Assistant Professor, Nursing
Nursing and Health Professions
B.S.N., University of Maryland School
of Nursing
M.S.N., University of Maryland School
of Nursing

Yohannes B. Weldegiorgis, D.Eng.

Professor, Computer-Aided
Drafting and Design
Business and Technology
A.A.S., College of Urban Planning,
Civil Engineering
M.S., Czech Technical University
Prague, Civil Engineering
D.Eng., Morgan State University,
Civil Engineering

Peggy Winfield

Assistant Professor, Mathematics
Mathematics and Engineering
B.S., Loyola University of Maryland,
Mathematical Sciences

Dionne Woolford-Hudgins

Assistant Professor, Nursing
Nursing and Health Professions
B.S.N., Coppin State University
M.S.N., Notre Dame of Maryland
University

Administrative and Professional Staff

Sandra Agrafiotis

Student Success Advisor
B.A., University of Maryland,
College Park
M.A., University of Maryland,
University College

Tope W. Aje

Director, Student Support
Services/STAIRS Program
B.S., University of Ibadan
M.Ed., North Carolina State
University
M.S., Loyola University

Yvonne Allen

Membership Director, WBJC

Karen Allen-Curtis

Career Awareness/Transition
Coordinator
Adult Basic Education and Alternative
Diploma Options Program
B.S., Stevenson University

Leslie Allen-Spencer

Diagnostician, Disability Support
B.S., Coppin State University
M.S., Loyola College
LCPC, Loyola College

Robert Ayers

Job Location and Development
Specialist
B.S., Frostburg State University

Calvin B. Ball, Ed.D.

Director, Complete College America
B.A., Towson University
M.A., University of Baltimore
Ed.D., Morgan State University

Christian Banzadio

ESL Student Counselor
B.S., Catholic University of Congo

Elena Berrocal

Administrative Coordinator to Vice
President of Academic Affairs
B.S., Bowie State University, Pedology
M.S., University of Baltimore, Human
Services Administration

Doreen Bostic

Testing Specialist
BS, Morgan State University

Shelley Braxton

Classroom Assistant Teacher II
Clarence Blount Child Development
Center
A.A., Baltimore City Community
College

Melvin Brooks

Associate Dean, Department
of English, Humanities, Visual and
Performing Arts
B.A., Florida A&M University
M.Ed., Florida A&M University

Vera Brooks

Director, Financial Aid
B.A., Grambling State University

Lesley R. Brown, Ph.D.

Associate Dean, Health Professions
Ph.D., The Johns Hopkins University
School of Medicine

Denise Burrell

Financial Aid Specialist
A.A., Baltimore City Community College

Ewa Burton

Specialist, ELI
B.S., University of Silesia
M.A., University of Silesia

Nicole Cameron-Becketts

Dean, Student Development
B.A., Virginia State University
M.P.A., University of Akron

Maria Cazabon, Ed.D.

Director of IT Services
A.A.S., Community College of
Baltimore County
B.S., University of Maryland,
Baltimore County
M.S., University of Maryland,
Baltimore County
Ed.D., Morgan State University

Wanda M. Chaney

Advisor, Recruitment, Admissions
and International Student Services
A.A., Villa Julie College
B.S., University of Baltimore
MS, University of Maryland University
College

Hsin-Yuan Chen, Ph.D.

Director of Curriculum and
Assessment, Program Review and
Development
M.A., Eastern Michigan University
Ph.D., Michigan State University

Jacqueline Colkley

Associate Director, Financial Aid
B.S., Coppin State University

Diana Cox

Membership/Operations Assistant
WBJC

Gabriela Czerwisnka

ESL Specialist
B.A. Linguistic College of
Czestochowa

Deneen R. Dangerfield

Director, Recruitment and Admissions
A.A., Baltimore City Community
College
B.A., Coppin State University
M.S., Coppin State University

Freida Davis

Transfer Specialist, Student Support
Services/STAIRS Program
A.A., Baltimore City Community
College
B.S., Towson University
M.A., Towson University

Tanya Deshields

Student Success Advisor
A.A., Baltimore City Community
College
B.S.N., Coppin State University

Brittany DeNovellis

RYP Volunteer Specialist
B.A., UCLA

Diane Diferdinando

Accounts Payable Supervisor
B.S., Frostburg State University

Roger Dickens

Recruitment and Admissions Advisor
B.A., Towson University

Angela Donn, LCSW-C

Counselor, Student Support and
Wellness Services
B.A., State University of New York,
College at Buffalo
M.S.W., Fordham University

Patricia Edwards

Coordinator of Academic Services
B.A., University of Baltimore

Aquila Evans

Retention Specialist, Vocational
Support Services
A.S., Baltimore City Community
College
B.S., University of Maryland, Baltimore

William J. Fleming

Public Relations Specialist
B.A., Benedictine University
M.A., American University

Kennedy Franco

Computer Information Services
Specialist

Joan Fountain

Accounts Payable

Lauren Gilwee

Project Lead Coordinator
M.A., University of New Orleans
B.A., Loyola University New Orleans

Valeria Glenn

Accounts Clerk III
A.A., Baltimore City Community
College
B.S., Elizabeth City University

Judy Gordon

Student Success Advisor
B.S., State University of New York
M.A., Hunter College

Valerie Grays

Student Life Advisor
B.A., The University of North Carolina
at Charlotte

Lyllis M. Green

Chief Internal Auditor
B.S., University of Baltimore

Karen Greenwood

Financial Aid Specialist
B.S., University of Baltimore
M.A., University of Baltimore

Susan Gruzs

Program Coordinator
Adult Basic Education and Alternative
Options Program
B.A., York College of Pennsylvania

Nana K. O. Gyesie

Director, Student Success Center
B.A., State University of New York
M.S.W., University of Maryland

Norraine Harper

Testing Specialist
Testing Center

Loreen Harris

Management Information Systems
Specialist
A.A., Baltimore City Community
College
B.S., University of Maryland University
College

Wendy Harris

Registrar
B.A., University of Maryland,
Baltimore County

Katherine Harrison

Operations Director, WBJC
B.A., Texas A&M University

Adaria Hathaway

Student Success Advisor
B.S., Morgan State University
M.S., Morgan State University

Jeremy Harvey

Instructional Technologist
E-Learning
B.A., Bloomsburg University
M.S., Bloomsburg University

Eileen F. Hawkins

Director of Institutional Research
B.S., Salisbury State University

FACULTY AND STAFF

Vashti Hayletts

Assistant Bursar
B.S., Coppin State University

Kemberly L. Henderson

ERP Administrative Coordinator
M.S., University of Maryland
University College
M.B.A., University of Maryland
University College

Jean Henry

Director of Workforce Development
and Community Education
B.A., Rhodes College
M.P.P. University of Chicago
M.A., Johns Hopkins University

Reed Hessler

Announcer/Producer, WBJC-FM
B.A., Washington College

Deconda Hines

Financial Aid Specialist
A.S., Baltimore City Community
College
A.A.S., Baltimore City Community
College

Dorothy Holley

Associate Dean, Department of
Nursing, Allied Health, Health and
Life Fitness
B.S.N., Winston Salem State
University
M.S.Ed., The Johns Hopkins
University, Counseling
M.S.N., University of Maryland,
Nursing Administration

William Hug

Coordinator, Recruitment, Admissions
and International Student Services
B.A., Oberlin College

Gregory M. Hunter, LCSW-C

Director, Upward Bound Math and
Science Program
A.A., Baltimore City Community
College
B.S., Morgan State University
M.C.P., University of Maryland at
Baltimore
M.S., University of Baltimore
Post Graduate Certificate, University
of Maryland-Baltimore County

Shayla Hunter

Coordinator of Academic Operations
and Services
B.S., University of Maryland Eastern
Shore
M.S., Stevenson University

Joseph Hutchins

General Manager, WBJC-FM
B.S., Towson University

Milton Hutchins

Supervisor of Materials Management

Kathy Ira

Instructional Specialist
Adult Basic Education and Alternative
Options Program
B.S., State University of New York
M.S., University of Maryland,
Baltimore County

Enyinnaya Bob Iweha, M.B.B.S., M.D.

Dean, School of Business, Science,
Technology, Engineering and
Mathematics
B.S., University of Ibadan
M.D., University of Ibadan

Annie M. Jackson

Coordinator, Test Center
B.S., Tuskegee University
M.S., Coppin State University

Leslie Jackson

Academic Coordinator, Student
Support Services/STAIRS Program
B.S., State University of New York
M.S., State University of New York

Michelle Jackson

Director, Adult Basic Education and
Alternative Diploma Options Program
B.S., Towson University

David Xudong Jin

Director of Library Services
B.A., Yunnan University
M.A. Yunnan University
M.A. Ohio University
M.L.S., St. John's University

William Johnson

Computer Information Services
Specialist
A.A., Baltimore City Community
College

Jinaki Talibah Kambui

Director, Clarence Blount
Child Development Center
B.S., Morgan State University
M.A., Towson University

Kwame Karikari, Ph.D.

Grants Manager
B.A., North Carolina State University
B.S., Towson University
M.B.A., Morgan State University
Ph.D., Kennedy-Western University

Arthur Kohne, B.S., NPR

Instructor and Program Coordinator of
Paramedicine Program
B.S., The Johns Hopkins University,
Management
Nationally Registered Paramedic

Judith Krummeck

Announcer/Producer, WBJC-FM

Charles Land

PC Specialist
A.A., Baltimore City Community College

Robert Lenio

Chief Engineer, WBJC

James Lynch

Electronic Resources Librarian
B.S., Rensselaer Polytechnic Institute
M.L.S., State University of New York

Yu Juan (Wendy) Ma

Systems Librarian Specialist
B.A., University of China
M.L.I.S., Magill University

June Mabrey

Supervisor, Admissions Call Center
A.A., Baltimore City Community
College

Betsy Mackey

Manager, English Language Institute
B.A., Duke University
M.A., University of Massachusetts

Terry Maczko

Associate Director of Intercollegiate
Athletics
B.A., State University of New York
M.S., McDaniel College

Rosa Maggiti

Programmer/Systems Analyst
A.A., Baltimore City Community
College

Anil Malaki, M.D., FWACS

Associate Dean, Natural and Physical
Sciences
M.P.H., Johns Hopkins University
F.W.A.C.S., West African
College of Surgeons
M.D., University of Nigeria

Mark Malinowski

Announcer/Producer, WBJC

Gregory K. Mason

Vice President, Business and
Continuing Education
B.A., Eastern Kentucky University
M.C.P., University of Cincinnati

Karen McClaskey

Student Success Specialist
E-Learning
B.S., Towson University

June McDowell

Computer Operations Specialist

Valerie McQueen-Bey

Assistant to the President
B.S., University of Maryland Baltimore
County

Bryan Meacham

Senior Grants Accountant
B.S., Utah State University

Karen Mobley

Articulations Coordinator
B.S., University of Maryland Baltimore
County

E. Delois Mooring

Budget Coordinator, Business and Continuing Education Division
A.A., Baltimore City Community College

Anthony Morris

Programmer
A.A., Baltimore City Community College

Tina Mosley

Budget Analyst
A.A., Baltimore City Community College
B.S., University of Baltimore

Dyana Neal

Producer/Announcer, WBJC-FM
B.A., University of Iowa

Chris Nehmer

Senior Accountant
B.S., University of Baltimore

Scott Olden

Dean, School of Nursing and Health Professions
B.S.N., State University of New York
M.S., University of Maryland at Baltimore

Tara Owens

Director, Intercollegiate Athletics
B.S., Virginia State University
M.Ed., Cheyney University

Jonathan Palevsky

Program Director, WBJC-FM
B.M., Carleton University
M.M., Peabody Institute of The Johns Hopkins University

Akalu Paulos

Refugee Employment Training Coordinator
M.A., University College, Dublin

Bryan Perry, J.D.

Chief of Staff and General Counsel
B.S., Morgan State University
J.D., University of Maryland

Brittany Peterson

Marketing Administrator
B.A., University of Maryland Eastern Shore
M.S., Morgan State University

Glenn Peterson

Instructional Librarian
B.S., West Chester University
M.L.I.S., University of Alabama

Kursten Pickup

Refugee Youth Project Coordinator
B.A., Kendall College of Art and Design
M.A., Maryland Institute College of Art

Jorge Pina

Coordinator, CAA Mathematics Center
M.S., Coppin State University

Carla Price

Financial Aid Specialist
B.S., Coppin State University

Amber Pringle

Manager, Nursing Lab

Angela Ramseur

Disability Support Services
Administrative Assistant II
AAS in Human Services, Addiction Counseling

Shanta Rao, Ph.D.

English As a Second Language
Student Adviser
B.A., Bombay University
M.A., Bombay University
Ph.D., University of Massachusetts

Sylvia Rochester

Dean, Enrollment Management
B.S., Morgan State University
M.S., Coppin State University

Tonja L. Ringgold, Ed.D.

Vice President for Academic Affairs
Accreditation Liaison Officer
B.S., Morgan State University
M.S., University of Baltimore
M.S.N./M.B.A., University of Maryland University College
Ed.D., Morgan State University

Sherry Roxbury

Coordinator of Collection Services
Librarian
A.A., Bronx Community College
B.A., City College of the City University of New York
M.L.S., Queens College of the City University of New York

Anna Rutah

Human Resources Specialist

Todd Sabin, CPIM, CSCP

Program Manager
B.A., McDaniel College

Jeffrey Sams

Student Success Advisor
B.S., Coppin State University
M.Ed., Coppin State University

Ida Sass

Associate Director, Business and Continuing Education Division
A.A., Anne Arundel Community College
B.S., University of Maryland, University College
M.S., University of Maryland, University College

Daviedra Sauldsberry

Director, Marketing Communications
B.B.A., Howard University
M.A., University of Baltimore

Scott Saunders, Jr.

Associate Dean, Mathematics and Engineering
B.S., University of Illinois
M.A., Cambridge College
M.A., DePaul University

Sheila Scott

Administrative Coordinator, Student Affairs Division
B.A., Maryland Institute College of Art

Stacey Sewell

Programmer/Analyst, Computer Information and Technology Services
Certificate, Baltimore City Community College

Shawnette Shearin

Director of Budgets, Contracts, and Operational Services
B.S., Morgan State University
M.P.A., University of Baltimore

Anna Shraga

Refugee ESL Instructor
B.S., Tashkent State Pedagogical Institute of Foreign Languages

Sabina Silkworth

Controller
B.A. The Catholic University of America
M.B.A., George Washington University

Daphne Snowden, Ed.D

Dean, Academic Operations and Services
B.S., Coppin State College
M.S., Coppin State College
Ed.D., Morgan State University

Yaw Tabi

Senior Grants Accountant
B.S., Franklin University
M.F.E. Ohio University

Marlyn Taylor

Catalog Management Specialist
A.A., Community College of Baltimore
B.A., University of Baltimore

Joseph Thomas

PC Support Technician

Tracy Thompson

Payroll Supervisor

Marcia J. Tisdale

Leave Coordinator, Human Resources

Michele Towson, J.D.

Director of Grant Development
B.A., Ohio State University
M.A., Ohio State University
J.D., University of Maryland School of Law

FACULTY AND STAFF

Chanae Tynes

Knowledge Management
Specialist

A.A., Baltimore City Community
College

B.S., Coppin State University

M.S. University of Maryland Baltimore
County

John Vinci

Project Manager

Facilities Planning and Operations

Alexander Vogel

PC Specialist

Eileen Waitsman

Accounting Supervisor

B.B.A., University of North Dakota

M.B.A., University of Baltimore

Rory L. Wallace

Compensation and Classification
Coordinator

B.A., Strayer University

M.B.A., Strayer University

Richard Walsh

Bursar

A.S., Salt Lake Community College

B.S., University of Nevada

James Ward

Development Director, WBJC

Stephen A. Ward

Assistant Director for Computer and
Customer Support

B.A., University of Maryland,

Baltimore County

Crystal Washington

Administrative Coordinator to Vice
President of Academic Affairs

A.A., Baltimore City Community

College

Patrice Washington

Senior Accountant

B.S., Morgan State

M.S., Towson University

Dennis L. Weeks, Ph.D.

Dean, School of Arts and Social
Sciences

A.A., Des Moines Area Community
College

B.A., Western Illinois University

M.A., Western Illinois University

Ph.D., Saint Louis University

Douglas Weimer

Coordinator of Community ESL Sites
B.A., Towson University

Jeff White

Director of Student Life and
Engagement

A.S., Baltimore City Community
College

B.S., Morgan State University

M.B.A., University of Maryland
University College

Vincent Whitmore

Interim Vice President for
Business and Continuing Education

B.A., Morgan State University

M.A., Morgan State University

Brenda Wiley

Bookstore Manager

B.S., Bowie State University

Heidi D. Wilker

Systems Analyst

A.A., Harford Community College

Cassandra Wilks

Administrative Assistant III

Bard Library

Academic Operations and Services

André Williams

Director, Judicial Affairs and Title IX

B.S., Coppin State University

M.S., McDaniel College

Danette Williams

Contract Technician

Michelle Williams

Employee Relations Coordinator

M.S., Towson University

Virgie Williams

Associate Director of Library Services

A.A., Baltimore City Community
College

B.S., University of Baltimore

Charles Wilson

Research Analyst

B.A., Virginia Commonwealth
University

M.A., Virginia Commonwealth
University

M.P.A., University of Baltimore

Juanita Wingo

Director, Center for Academic
Achievement

B.A., Morgan State University

M.Ed., Temple University

Justin Young

Student Success Advisor

B.A., Delaware State University

Arline Yarborough

Administrative Assistant,

Educational Talent Search Program
A.A., Community College of Baltimore

B.S., Coppin State University

M.S., Coppin State University/
University of Baltimore

Diana Zilberman, Ph.D.

Assistant Dean of Academic
Operations and Services (acting) and

Director of the Center for E-Learning
Excellence & Teaching Innovation

B.A., University of Bucharest,
Romania

M.A., University of Bucharest,
Romania

M.S., The Johns Hopkins University

Ph.D., Greenwich University

Skilled Service Staff

Ellen Abdul-Rabb

Business and Continuing
Education Division

Marie Anthony

Business and Continuing
Education Division

Raymond Bolden

Environmental Services

Corelethia Braxton

Purchasing and Materials
Management

Patricia Brittingham

Administrative Coordinator,
School of Business, Science,
Technology, Engineering, and
Mathematics

A.A., Baltimore City Community
College

Cordelia Burrow

Accounts Clerk III

Marie Byam

Administrative Assistant

School of Allied Health and Nursing
A.A., Baltimore City Community
College

Natalie Comas

Administrative Assistant, Student
Support Services/STAIRS Program
A.A., Baltimore City Community
College

Jasmine Dickey

Payroll Clerk

Mark Dixon

Public Safety

Donna Dyer-Thomas

Records and Registration Specialist
A.A., Baltimore City Community
College
B.A., University of Baltimore

Joyce Fortune

Environmental Services

Kahi Fraser

Administrative Assistant to the
Controller and CBO

Deborah Francisco

Office of Adjunct Services and Grants

Yolanda Gault

Controllers Office

Charlene Gray

Administrative Assistant
School of Arts and Social Sciences
A.A., Baltimore City Community
College

Richard Green

Environmental Services

Karen Guilford

Administrative Assistant
Adult Basic Education
B.A., College of Notre Dame of
Maryland

Paulette Harris-Gross

Business and Continuing
Education Division
B.S., Morgan State University

Salita High

Administrative Assistant
Department of English, Humanities,
Visual and Performing Arts
A.A., Baltimore City Community
College

William Hill

Environmental Services

Tracey Roseborough Holmes

Administrative Assistant III
Office of the Vice President of
Student Affairs
A.A., Baltimore City Community
College
B.A., University of Maryland University
College

Tamara Hudson

Administrative Assistant
Center for Academic Achievement

Florence Hunter

Environmental Services

Geraldine Hunter

Environmental Services

Shirley Hunter-Johnson

Administrative Assistant III
Records and Registration
A.A., Baltimore City Community
College

Arlene Jacobson

Bard Library
A.A., Baltimore City Community
College
Interior Design Certificate,
Maryland Institute College of Art
B.S., Towson University

Gloria Johnson

Administrative Assistant III
Student Success Center
BS, University of Baltimore

Randy Johnson

Environmental Services

Rodney Johnson

Facilities

Tyrone Johnson

Public Safety

Karen Jones

Environmental Services

Steven Jones

Public Safety

Clara Joyner

Administrative Assistant III
Recruitment and Admissions

Ada Kearse-Brown

Computer and Information
Technology Services
A.A., Baltimore City Community
College

Nena Kutniewski

Records and Registration Specialist
A.A., Baltimore City Community
College

Myrna Lesane

Records and Registration Specialist

Lynnette Little

Administrative Assistant, Department
of Natural and Physical Sciences

Charles Lonick

Public Safety

Crystal Lucas

Administrative Assistant
Department of Business and
Technology
A.A., Baltimore City Community
College

Michelle Mason

Accounts Clerk III
Bursars Office

Portia McCormick

Administrative Assistant
Promise Academy

Eileen McGrath

Purchasing and Materials
Management

Vincent Moore

Public Safety

Olubunmi Oladele

Accounts Clerk III
Bursars Office

Stuart Parker

Public Safety

Ricky Pierce

Administrative Assistant
Department of Mathematics and
Engineering

Clarence Porter

Facilities

Stephanie Quick

Records and Registration Specialist
A.A., Baltimore City Community
College

James Revis

Facilities

Kadijah Richardson

Office of the Bursar

Grace Simmons

Administrative Assistant
Department of Nursing and
Allied Health Professions
A.A., Community College of Baltimore

D. FitzGerald Smith

Administrative Assistant III
Center for E-Learning Excellence &
Teaching Innovation

Candace Sommerville

Lead Payroll Specialist
A.A., Baltimore City Community
College

Michele Spears

Accounts Payable

Robert Sremski

Facilities

Tiesha Stanley

Financial Services

Michael Stephens, Jr.

Public Safety

Georgia Stuckey

Public Safety

Bryant Talley

Facilities

FACULTY AND STAFF

Carol Taylor

Administrative Assistant III
Student Development

Patricia Thomas

Administrative Assistant II
School of Nursing and Health
Professions

Theresa Tunstall

Administrative Assistant
Department of Education, Social and
Behavioral Sciences

Vincent Warner

Environmental Services

Earl Watson

Public Safety

Arthur Williams

Facilities

Clinton Williams

Public Safety

Dorothy Williams

Public Safety

Linda Williams-Robinson

Administrative Assistant III
Financial Aid

Robert Winder

Public Safety

Kimberly Woolford

Accounts Clerk I
Office of the Bursar
A.A., Baltimore City Community
College

Arline Yarborough

Administrative Assistant,
Educational Talent Search Program
A.A., Community College of Baltimore
B.S., Coppin State University
M.S., Coppin State University/
University of Baltimore



Maryland's 16 community colleges:

- Enrolled 118,953 students during the fall 2004 semester
- Enrolled 218,855 students in continuing education courses in FY 2004
- The total State funded enrollment was 87,491 in FY 2004

Other facts:

- About 62% of Maryland high school graduates who go to college in the fall attend community colleges
- Transfer students from Maryland community colleges are successful at 4-year public colleges and universities; they typically achieve a B average

Start your job training with us.

Consider the facts in making your decision:

- Students from Maryland community colleges represent the vast majority of healthcare workers either entering the workforce or upgrading their skills. (i.e., 80% in FY 2002)
- Maryland community colleges account for about 60% of the nursing graduates, RNs, and LPNs each year.
- Thousands of individuals enrolled in non-credit programs that allowed them to begin or advance in healthcare careers
- The passing rate for nursing graduates from Maryland's community colleges on the registered nurse exam compares favorably with graduates from the 4-year private institutions, averaging 88% vs. 92%, respectively, over the past 4 years.
- The passing rate for community college nursing graduates has exceeded that for graduates of 4-year public institutions for the past four years.
- The passing rate for other allied nursing exams for allied health graduates from community colleges has averaged over 90% during the past ten years.

Check this schedule for healthcare programs available for you.

The Community Colleges of Maryland

Where you need us.  When you need us.

Visit our website at: www.mdcommunitycolleges.com

- Allegany College of Maryland
- Anne Arundel Community College
- Baltimore City Community College
- The Community College of Baltimore County
- Carroll Community College
- Cecil Community College
- Chesapeake College
- College of Southern Maryland
- Frederick Community College
- Garrett College
- Hagerstown Community College
- Hartford Community College
- Howard Community College
- Montgomery College
- Prince George's Community College
- Wor-Wic Community College

GENERAL POLICIES

Baltimore City Community College Covenant for Success

At Baltimore City Community College, we believe that the seeds of greatness are in each student. It is through education that the gifts and talents in each student are realized. Faculty, staff, and students have complementary and mutual responsibilities to assure student success. The purpose of this Covenant for Success is to describe those mutual responsibilities.

As a faculty or staff member of Baltimore City Community College, I will:

- Have high expectations for each student; I will not accept mediocrity
- Encourage each student to become all that he/she is capable of becoming
- Value time and end classes on-time and set priorities for the use of time
- Be enthusiastic about my work. I will go out of my way to stay current in my field and find creative ways to teach my subject in a manner that is interesting and relevant to students
- Respect students and value their immense potential; I will not label students or place limitations on them about goals that they are willing to work hard to achieve
- Respect differences among students and encourage students to learn from their differences.

As a student at Baltimore City Community College, I will:

- Be responsible for my education. While others may help me, my success will depend primarily upon what I do to become successful. If it is to be, it is up to me
- Work hard to succeed, including attending all classes and devoting a great deal of time to reading, studying, and doing out-of-class assignments; I will spend at least two hours in outside preparation for each hour of class time
- Value time, come to classes on-time, and set priorities for the use of time
- Set positive, specific, and measurable goals, and visualize myself in possession of them
- Be an active learner; ask questions and seek help as often as needed
- Be honest and maintain the highest level of integrity.

Credits for Non-Traditional Learning

Students who have acquired college-level learning through work or other non-collegiate activities may want to try to earn BCCC credits for these life experiences by taking BCCC's own department exams or through the College Level Examination Program. A maximum of 30 credits may be earned through departmental exams; 15 through CLEP. Students should contact the Associate Dean of the appropriate department and the Test Center for information and requirements for departmental and/or CLEP exams.

Plagiarism and Academic Misconduct

Plagiarism means presenting the words or ideas of others without giving credit. A student should know the principles of plagiarism and the correct rules for citing sources. In general, if a paper states or implies that the student is the originator of the words or ideas, the words or ideas must in fact be the student's own. If someone else's exact words are used, they should be enclosed in quotation marks with the exact source listed. Someone else's idea may be put in the student's own words as long as it is clear whose idea it is (for example, "As Jane Smith points out..."). If the proper ways to give credit to sources are not clear, the student should ask the instructor.

The following conduct constitutes misconduct (not limited to course work) subject to sanctions under the Student Code of Conduct:

- cheating on an examination.
- collaborating with others in work to be presented, contrary to the rules of the course.
- submitting a paper or assignment as one's own work when part or all of the paper or assignment contains ideas or research of others without appropriately identifying the source of those ideas.
- stealing examinations or course materials. .
- submitting work previously presented in another course, if contrary to the rules of a course.
- tampering with laboratory experiments or computer programs of another student.
- knowingly and intentionally assisting another student in any of the above, including assistance in an arrangement whereby any work, classroom performance, examination or other activity is submitted or performed by a person other than the student under whose name the work is submitted or performed.
- removing materials from the library without proper authority.
- infringing on the rights of other students to fair and equal access to academic resources.
- duplicating course materials expressly forbidden by the instructor.
- using tape recorders or other recording devices in a classroom when not specifically authorized to do so by the faculty member.
- ignoring or willfully violating class or laboratory instructions or policies.

Sexual Harassment Policy

It is the policy of the State of Maryland and Baltimore City Community College that sexual harassment is an unlawful practice and will not be tolerated in any form in the workplace and/or on the campuses. The policy governs any unwelcomed and unsolicited sexual advances, requests for sexual favors, or other verbal or physical conduct of a sexual nature. The policy applies to faculty, administrators, professional staff, other employees, vendors, and students. Any employee or student who believes that sexual harassment by an employee or faculty member has occurred should promptly report the incident to the employee/faculty member's supervisor or department supervisor. Students who believe they have been sexually harassed by another

student should report the incident to the Vice President for Student Affairs. In either case, the Executive Director of Human Resources will conduct an investigation and either recommend disciplinary action to be taken against the employee or student or report that sexual harassment could not be substantiated. A copy of the complete Sexual Harassment Policy may be obtained from the Human Resources Office.

Smoke-Free Environment Policy

For BCCC to fulfill its role and responsibility to provide a safe and healthy environment for faculty, staff, and students, it is essential to eliminate exposure to the toxic substances produced by tobacco smoke.

Facilities and Areas Affected

Smoking is prohibited within 30 feet of all building entrances. Smoking is prohibited inside all facilities owned, leased, or operated by BCCC including (but not limited to) such space as classrooms, halls, laboratories, studios, open and private offices, corridors, dining areas, restrooms, and common areas. This prohibition also includes all vehicles owned, leased, or operated by the College.

The Use of College Facilities by Outside Parties

All contracts and agreements will include a clause that states that BCCC is a smoke-free environment and, as such, prohibits smoking in all facilities for events including but not limited to conferences, meetings, seminars, concerts, colloquia, receptions, sporting events, and parties.

Tobacco Sales on College Property

There will be no sale of cigarettes, cigars, and pipe tobacco at any facility, location, or vending machine owned, leased, or operated by BCCC.

Progressive Counseling/Enforcement

While responsibility for the implementation and effectiveness of the policy lies with all BCCC faculty, staff, and students, ultimate administrative responsibility to achieve Collegewide compliance rests with vice presidents, directors, and staff in charge of the various divisions, units, offices, and facilities. To effect adherence, members of the BCCC community must be willing to inform those unaware of the policy directly and politely or to remind those in disregard of it. If these approaches and efforts are unsuccessful, the individual in violation of this policy will be brought to the attention of the vice president, director, staff member, or other persons in charge for further discussion and progressive counseling.

Smoking Cessation Programs

It is recognized that smokers who wish to stop smoking may require assistance and support. BCCC will sponsor smoking cessation programs and related health promotion activities to help faculty, staff, and students overcome their reliance on and addiction to nicotine.

The Importance of a Collegewide Commitment

For a smoke-free policy to be effective and successful, the commitment of BCCC must be visible, substantial, and total. It is essential, therefore, that the College support and articulate this policy at all levels by all means through

appropriate publications, announcements, advertisements, signs, and communications.

Evaluation and Follow-Up

The Smoke-Free Policy will be reviewed and evaluated periodically to determine its impact and effectiveness.

A Drug-Free Campus Plan

I. Policy

- A. In keeping with its commitment to an environment free of the illegal or abusive use of drugs and alcohol, it is the policy of Baltimore City Community College that the illegal or abusive use of drugs or alcohol is prohibited on all College property or at any College-sponsored activity.
- B. In order to inform students of their responsibilities under this policy and to meet the College's responsibilities as set forth in the Drug-Free Schools and Communities Act Amendment of 1993 (Public Law 101-226) and the Maryland Higher Education Commission's Policies Concerning Drug and Alcohol Abuse Control, the following information is provided.

II. Prohibited Conduct

A. Drugs

1. Baltimore City Community College prohibits on all campus premises and at all College-sponsored activities the distribution, possession for the purpose of distribution, use, or possession of any controlled substance or illegal drugs.

Note: Controlled substances and illegal drugs prohibited under the Code are those listed in Schedule I through V, Article 27, Part 279, Annotated Code of Maryland.

B. Alcohol

1. Baltimore City Community College prohibits on campus premises and at all College-sponsored activities the unauthorized distribution, possession, or use of alcoholic beverages.
2. The Office of Student Life may authorize the use, possession, or distribution of alcoholic beverages by students on College premises or at College-sponsored activities but prohibits possession or use of alcoholic beverages by any student under the age of 21 or the providing of alcoholic beverages to a person known to be under the age of 21. Alcoholic beverages may not be possessed, consumed, or distributed at events on College campuses or College-sponsored events unless advance written approval has been obtained from the Coordinator for Campus Life.

III. Disciplinary Sanctions

- A. Sanctions for the violation of College drug and alcohol policies include disciplinary reprimand or suspension from the College for a first offense and possible expulsion or dismissal for a repeated offense. Students may be accountable to both civil authorities and the College for acts which constitute violation of the law and of College policy.

IV. Legal Sanctions under Federal, State, and Local Laws

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A. Drugs

1. Federal law 21 USCA, Sections 841 and 844 to 845a (1990), states that it is unlawful to possess any controlled substance, including marijuana, cocaine, and heroin, for any illegal purpose. If the substance is cocaine or contains a cocaine base, the penalty for simple possession is a fine and/or imprisonment from 5 to 20 years. For other illegal drugs, the penalty for simple possession is a fine of at least \$1,000 and/or imprisonment for up to 3 years. Penalties increase if possession includes intent to manufacture, distribute, or dispense a controlled substance, especially near a public or private elementary, vocational, or secondary school or a public or private college or university. Additionally, any person who violates this law shall also be liable for an amount up to \$10,000 in civil penalties.
2. The State of Maryland has its own laws dealing with distribution, manufacture, and possession of controlled substances. Article 27, Section 286 (1989), Annotated Code of Maryland, states that any person who unlawfully manufactures or distributes any controlled dangerous substance may be fined up to \$25,000 and may be imprisoned for up to 20 years for a first offense.
3. In Baltimore City, under Article 19, Section 58C, City Code, it is illegal to loiter in a certified Drug-Free Zone, with penalties of imprisonment of up to 30 days and a fine of up to \$400.

B. Alcohol

1. Article 27, Sections 400 to 403B, Annotated Code of Maryland, prohibits any person under 21 from falsifying or misrepresenting his/her age to obtain alcohol or to possess alcoholic beverages with the intent to consume them. It is also illegal in most situations to provide alcohol to a person under 21 or to obtain alcohol on behalf of a person under 21.
2. The penalty is a fine of up to \$500 for a first offense and up to \$1,000 for repeat offenses.
3. Article 2B, Section 211, Annotated Code of Maryland, prohibits a person from drinking any alcoholic beverage while on public property unless authorized by the governmental entity that has jurisdiction over the property; in the parking area or on a mall or other area outside a shopping center or other retail establishment unless authorized by the owner; or in a parked vehicle located on any of the above-listed places unless authorized. The penalty is a fine not exceeding \$100 or disposition pursuant to Section 8-510 of the Health- General Article of the Annotated Code of Maryland, which allows for judicial commitment if the individual is found to be a chronic alcoholic.

V. Health Risks

- A. Substance abuse is now recognized as the number-one public health problem in the United States. Approximately 30% of all admissions to general

hospitals and 50% to psychiatric hospitals have detectable substance abuse problems.

- B. Substance abuse accounts for approximately 150,000 deaths annually, including deaths from stroke, diseases of the heart and liver, and all alcohol- and drug-related suicides, homicides, and accidents. Early detection can minimize or prevent the devastating consequences of substance abuse.

VI. Available Drug and Alcohol Programs

- A. Drug and Alcohol Programs on Campus
 1. Students seeking drug or alcohol abuse counseling or referral may contact the College's Health and Wellness Center, Liberty Main 26, 410-462-8384.
- B. Alcohol and Other Drug Workshops
 1. The Director of Human Resources and the Coordinator for Student Life will jointly sponsor workshops for students and staff on various alcohol and drug topics. Announcements of these workshops will be presented at both campuses.

VII. Responsible Administrative Offices

- A. The Vice President for Student Affairs is responsible for overseeing all actions relating to the Plan. The Vice President for Student Affairs shall conduct a biennial review of the Plan and its implementation to determine its effectiveness, make necessary changes, and see that disciplinary sanctions are enforced.

9/18/90; rev. 1/97

Student Code of Conduct

Baltimore City Community College (BCCC) is a diverse community of students, faculty and staff. We recognize the importance of a Student Code of Conduct that promotes the growth and development of its members, guides actions, and defines sanctions that will be imposed if rules and regulations are violated. For the benefit of the community at large, the Student Code of Conduct limits certain behaviors and activities. Any student whose conduct violates this Student Code of Conduct (the Code) will be subject to disciplinary action. Therefore, all students attending BCCC are expected to conduct themselves in a civil manner. Civility at BCCC is defined as behavior that demonstrates respect for the rights, needs, and feelings of others. The standards of behavior set forth in the Student Code of Conduct allow the College to promote civility within its community.

Student Computer Use and Internet Policy

1. Introduction

- 1.1. The computer and network facilities of BCCC are provided to support the student's educational experience. These guidelines set forth standards for responsible and acceptable use of College computing resources. Computing resources include host computer systems, College-sponsored computers and workstations, communication networks, software, and files.
- 1.2. Violation of this policy constitutes unacceptable

use of computing resources and may violate College policies and /or State and Federal law. Suspected or known violations should be reported to the Director of Computer and Information Technology Services or his/her designated representative. Violations will be forwarded to the Student Affairs Division to be adjudicated in accordance with the Student Handbook. Violations may result in revocation of computing resource privileges, student disciplinary action, or legal action.

2. Users Responsibilities

2.1. Users are responsible for safeguarding their logins and passwords and for using them for their intended purposes only. Each user is responsible for all transactions made under the authorization of his/her login. Users are solely responsible for their personal use of computing resources and are prohibited from representing or implying that their content constitutes the views or policies of BCCC.

2.2. Users must comply with all software licenses and copyrights and all other State and Federal laws governing intellectual property.

2.2.1. Any copyrighted electronic information retrieved from computer or network resources must be used in compliance with applicable copyright and other law. Use of electronic versions of text, pictures, icons, etc. must have the proper citation that lists the owner of that material. Plagiarism of electronic information is subject to the same sanctions as apply to plagiarism in other media.

2.2.2. Users may not install software onto the network without first receiving express authorization to do so from the Director of Computer and Information Technology Services.

2.2.3. All software protected by copyright must not be copied except as specifically stipulated by the owner of the copyright or otherwise permitted by copyright law. Protected software may not be copied into, from, or by any BCCC faculty or student, except pursuant to a valid license or as otherwise permitted by copyright law.

2.3. Users are responsible for using standard e-mail and Internet etiquette. This etiquette includes not forwarding private or confidential e-mail to any other person without permission of the sender; not altering or copying a file without first obtaining permission from the owner; not sending chain mail; not sending unsolicited mass mail.

2.4. BCCC provides access to an area on its servers where BCCC students can publish their own personal WWW pages. Web pages published by students in this personal area will not be reviewed by BCCC staff and do not constitute official College communications. The content of those WWW pages is the sole responsibility of

their publishers. BCCC shall not be responsible for the material or opinions expressed in these homepages.

2.4.1. When a user creates and publishes a web page, the user is responsible for adding the following text to any web pages published: "Individual faculty, staff, or students have created this web page. Baltimore City College ("BCCC") makes absolutely no guarantee as to the currency, accuracy, or quality of the information published and/or archived; nor will BCCC accept any responsibility for other organizations, businesses, or private persons who provide information on the BCCC system. The views and opinions expressed on this page or any links made available are strictly those of the web page author and do not necessarily state or reflect those of BCCC. The contents of these pages have not been reviewed or approved by Baltimore City Community College." This disclaimer can be part of the web page, or there can be a hyperlink from the page to the disclaimer. When using the hyperlink option, the following should be used: "BCCC is not responsible for the content of this page. Click here for the official disclaimer."

2.4.2. Pages must be used for educational or professional purposes only. No pages created solely or partially for commercial purposes will be allowed without the express written consent of the Director of Computer and Information Technology Services.

2.4.3. In the event that a web page or other Internet resource causes interruption of other BCCC Internet services, the appropriate staff will remove that resource until the cause of the interruption is eliminated.

2.5. Users are expected to follow any additional rules in effect at specific labs.

3. Users are prohibited from

3.1. Sending unsolicited mass mail (spamming)

3.2. Altering system or hardware configurations without authorization or disrupting or interfering with the delivery or administration of computer resources

3.3. Attempting to access another user's account, private files, or e-mail without the owner's permission; or misrepresenting oneself as another individual in electronic communication

3.4. Misrepresenting oneself as another individual for the purpose of completing an online test, computer or online assignment. Suspected or known violations will be reported to the Director of Computer and Information Technology Services and will be forwarded to the Vice President for Academic Affairs. The Vice President for Academic Affairs shall forward any violations to the Vice President for Student

GENERAL POLICIES

Affairs to be adjudicated in accordance with the Student Handbook.

- 3.5. Using computing resources to engage in conduct which interferes with others' use of shared computer resources or disrupts other computer users.
 - 3.6. Using computer resources for illegal activities. Criminal and illegal use may include obscenity, child pornography, threats, harassment, copyright infringement, defamation, theft, and unauthorized access. Conveying threats or harassment is defined as any speech that falls outside the scope of First Amendment protection.
 - 3.7. Using computer resources for political, personal or commercial use.
 - 3.8. Intentionally developing and using programs that disrupt other computer users or which access private or restrictive portions of the system and/or damage the software or hardware components of the system. Computer users must use great care to ensure they do not use programs or utilities which interfere with other computer users or which modify normally protected or restricted portions of the system or user accounts. The use of any unauthorized or destructive program may result in legal civil action for damages or other punitive action by any injured, including BCCC, as well as criminal action.
4. Administration
- 4.1. A firewall is a part of the College's computer network. Its purpose is to protect the confidential nature of the College's computer network. The firewall logs and documents all traffic between BCCC network and the Internet (i.e., user id's and web pages read). These logs will be used to research violations of the Computer/Internet guidelines.
 - 4.2. The maintenance, operation, and security of computing resources require responsible College personnel to monitor and access the system. To the extent possible in the electronic environment and in a public setting, a user's privacy will be preserved. Nevertheless, that privacy is subject to the Maryland Access to Public Records Act, other applicable State and Federal laws, and the needs of the College to meet its administrative, business, and legal obligations.

Board of Trustees approval: February 17, 1999

Summary of Financial Aid Recipients' Rights and Responsibilities

Students who receive financial aid from the College have the right to:

- Know the costs of attendance at the institution
- Know all available sources of financial aid
- To speak with the financial aid officer who has determined their need
- Be informed of all aspects of financial aid packages, including disbursement of aid
- Know the academic expectations of the institution.

Students who receive financial aid from the College are responsible for:

- Complying with the College's deadlines
- Reporting any outside awards to the College's Financial Aid Office
- Remaining in good Academic Standing
- Complying with loan repayment schedules
- Reporting any changes in the family's or student's financial status to the Financial Aid Office.

Transfer Policy

General Transfer Policy

It is the policy of Baltimore City Community College that students who have successfully completed college level courses at a regionally accredited college or university will receive credit toward an associate degree or certificate. In addition, exemption from relevant placement tests will be granted. The total number of allowable credits toward an associate degree is 45 or half the credits required for a certificate. Only credits that apply to the chosen program may count toward graduation. Students can earn up to 30 of these transfer hours through transfer of nontraditional credit. Such credits must be evaluated and approved for transfer credit by the appropriate associate dean of Academic Affairs and the Office of Admissions.

Award of Credit for Prior Learning

Transfer credit is reviewed by the appropriate associate dean of Academic Affairs and the Office of Admissions to determine the institution where the course was taken, the completion date, catalog course description including the course number, title and grade.

Students with a cumulative grade point average from a previous institution that is less than a 2.0 on a 4.0 point scale will be reviewed by BCCC. Any course with a grade of C or better will be accepted. Exception: BCCC will accept credits in which a grade of D is earned for general education courses from a student with a minimum cumulative grade point average of 2.0 on a 4.0 point scale from a regionally accredited Maryland public institution. BCCC will convert transferable courses taken at institutions that operate on a quarter system to semester credit hours. Quarter hours are multiplied by 2/3 to equal semester credit hours. Transfer credit cannot be awarded for a course if credit has already been earned at BCCC. In some cases, BCCC will need to review the official course description or course syllabus to determine equivalency. Upon request, the student must submit the required information.

Transfer Criteria

Credit may transfer if one of the following is met:

1. The institution is regionally accredited by the commission on higher education. BCCC recognizes the following regional accreditations:
 - Middle States Commission on Higher Education
 - North Central Association of Colleges and Schools
 - New England Association of Schools and Colleges
 - Southern Association of Colleges and Schools
 - Western Association of Schools and Colleges

Note: Credit may be accepted from institutions that are candidates for regional accreditation or for courses taken

while an institution was not regionally accredited on a course by course bases.

2. In addition to traditional articulation agreements with other institutions of higher education, BCCC can establish articulation agreements with high schools, business and industry. Articulation agreements specify award of credit for meeting certain criteria and presenting certain documents.
3. Military Training: The American Council on Education (ACE) must evaluate military training and experience before college credits are awarded.
4. The institution is legally authorized to grant standard college degrees and accredited by an accrediting agency recognized by the U.S. Department of Education. The College may award transfer credit based upon course equivalencies, expected learning outcomes and applicability to BCCC curricula, standards and course offerings. BCCC transfer credit policy complies with COMAR 13B.02.02.16
5. Foreign institutions: Transcripts must be evaluated by a professional transcript evaluation service before transfer credit will be reviewed. BCCC requires the course-by-course evaluation from this service to review transfer credit. BCCC accepts only the following transcript evaluation services:
 - World Education Services (WES)
 - American Association of Collegiate Registrars and Admissions Officers (AACRAO)
 - Educational Credential Evaluators (ECE)

Reverse Transfer

Reverse Transfer Students registered at a four-year college or university can take applicable course work and transfer that work back to the College in accordance with BCCC's transfer policy. Prior Learning/Work Experience Assessment College credit through evaluation of noncredit prior learning or work experience is evaluated by the relevant department. Reverse Transfer Students registered at a four-year college or university can take applicable coursework and transfer that work back to the College in accordance with BCCC's transfer policy. Apply Credits Toward Graduation Only transfer credits that apply to the chosen program may be used toward graduation. Student must meet with an academic advisor to discuss options and track their academic progress. Official transcripts from other institutions must be current and received by BCCC within one year of the issue date to be considered for transfer credit.

Maryland Higher Education Commission General Education and Transfer Regulations

Rationale

A major premise of the Maryland public higher education system is that a student should be able to progress from one segment of higher education to another without loss of time or unnecessary duplication of effort. The Maryland Higher Education Commission's objective is to ensure that a student who begins his/her

work at a community college is able to move towards the completion of that degree by transferring to a baccalaureate degree-granting institution without loss of credit or unnecessary duplication of course content. At the same time, the Commission recognizes that some students change their educational objectives as they progress in their studies, indeed sometimes because their studies expose them to new ideas and possibilities. These students should also be able to complete their general education courses and have them transfer without loss of credit. One means of accomplishing this objective is through the development of recommended transfer programs between two- and four-year institutions. The Maryland Higher Education Commission recognizes that students select institutions of higher education for a variety of reasons. Nevertheless, effective and efficient transfer of credits between and among these institutions must occur within the larger context of the Statewide structure of baccalaureate and community college education. Successful and harmonious articulation depends upon

- firm agreement that the needs of the student should be a primary concern in developing articulation procedures while maintaining the integrity of educational program;
- the establishment of clear and equitable policies to assure optimum accessibility for transfer students with minimal loss of credits and minimal duplication of course content; mechanisms for evaluating and resolving difficulties students may encounter in moving from one school to another
- free and continuous communications among institutions
- mutual respect for institutions and their missions
- adaptability, with a context of understanding that changes affect not only the institution making changes but also the students and institutions affected by the changes
- free exchange of data among institutions; and
- timely exchange of information relative to students' progress.

The intended principal benefactor is the student, whose uninterrupted progress towards a degree based on successful academic performance is best served by the open exchange of current information about programs and is best protected by a clear transfer policy pertaining to the public segments of higher education in Maryland. The State's interests are similarly served through such a policy, which results in the optimal use of its higher education resources by reducing the costly duplication that results in the needless waste of the valuable time and effort of Maryland students, faculty, and administration. Institutional interests and missions are also protected by this systematic approach, which permits them to incorporate into their academic planning more accurate projections about the programmatic backgrounds of transferring students. In more specific ways, this document's purpose is to

- define broad areas of agreement among the public two-year and four-year institutions of higher education pertaining to facilitating the transfer of students within these segments
- provide a mechanism for continuous evaluation of programs, policies, procedures, and relationships

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- affecting transfer of students
- provide such revisions as are needed to promote the academic success and general well-being of the transfer student
- provide a system of appeals beginning on the campus level to resolve difficulties that students experience in transfer.

While policies and procedures can be established that facilitate the transfer of students, it is the responsibility of the student, as the principal in the process, to know and follow the procedures defined.

Title 13B Maryland Higher Education Commission

Subtitle 06 GENERAL EDUCATION AND TRANSFER
Chapter 01 Public Institutions of Higher Education
Authority Education Article, 11-201-11-206 Annotated Code of Maryland

.01 Scope and Applicability

This chapter applies only to public institutions of higher education.

.02 Definitions.

A. In this chapter, the following terms have the meanings indicated.

B. Terms Defined.

- (1) "A.A. degree" means the Associate of Arts degree.
- (2) "A.A.S. degree" means the Associate of Applied Sciences degree.
- (3) "Arts" means courses that examine aesthetics and the development of the aesthetic form and explore the relationship between theory and practice. Courses in this area may include fine arts, performing and studio arts, appreciation of the arts, and history of the arts.
- (4) "A.S. degree" means the Associate of Sciences degree.
- (5) "Biological and physical sciences" means courses that examine living systems and the physical universe. They introduce students to the variety of methods used to collect, interpret, and apply scientific data, and to an understanding of the relationship between scientific theory and application.
- (6) "English composition courses" means courses that provide students with communication knowledge and skills appropriate to various writing situations, including intellectual inquiry and academic research.
- (7) "General education" means the foundation of the higher education curriculum providing a coherent intellectual experience for all students.
- (8) "General education program" means a program that is designed to:
 - (a) Introduce undergraduates to the fundamental knowledge, skills, and values that are essential to the study of academic disciplines;
 - (b) Encourage the pursuit of life-long learning; and

(c) Foster the development of educated members of the community and the world.

- (9) "Humanities" means courses that examine the values and cultural heritage that establish the framework for inquiry into the meaning of life. Courses in the humanities may include the language, history, literature, and philosophy of Western and other cultures.
- (10) "Mathematics" means courses that provide students with numerical, analytical, statistical, and problem-solving skills.
- (11) "Native student" means a student whose initial college enrollment was at a given institution of higher education and who has not transferred to another institution of higher education since that initial enrollment.
- (12) "Parallel program" means the program of study or courses at one institution of higher education which has comparable objectives as those at another higher education institution, for example, a transfer program in psychology in a community college is definable as a parallel program to a baccalaureate psychology program at a 4-year institution of higher education.
- (13) "Receiving institution" means the institution of higher education at which a transfer student currently desires to enroll.
- (14) "Recommended transfer program" means a planned program of courses, both general education and courses in the major, taken at a community college, which is applicable to a baccalaureate program at a receiving institution, and ordinarily the first 2 years of the baccalaureate degree.
- (15) "Sending institution" means the institution of higher education of most recent previous enrollment by a transfer student at which transferable academic credit was earned.
- (16) "Social and behavioral sciences" means courses that examine the psychology of individuals and the ways in which individuals, groups, or segments of society behave, function, and influence one another. The courses include, but are not limited to, subjects which focus on:
 - (a) History and cultural diversity;
 - (b) Concepts of groups, work, and political systems;
 - (c) Applications of qualitative and quantitative data to social issues; and
 - (d) Interdependence of individuals, society, and the physical environment.
- (17) "Transfer student" means a student entering an institution for the first time having successfully completed a minimum of 12 semester hours at another institution which is applicable for credit at the institution the student is entering.

.02-1. Admission of Transfer Students to Public Institutions

A. Admission to Institutions

- (1) A student attending a public institution

- who has completed an A.A., A.A.S., or A.S. degree or who has completed 56 or more semester hours of credit, shall not be denied direct transfer to another public institution if the student attained a cumulative grade point average of at least 2.0 on a 4.0 scale or its equivalent in parallel courses, except as provided in subsection (4) below.
- (2) A student attending a public institution who has not completed an A.A., A.A.S., or A.S. degree or who has completed fewer than 56 semester hours of credit, shall be eligible to transfer to a public institution regardless of the number of credit hours earned if the student:
 - (a) Satisfied the admission criteria of that receiving public institution as a high school senior and
 - (b) Attained at least a cumulative grade point average of 2.0 on a 4.0 scale or its equivalent in parallel courses.
 - (3) A student attending a public institution who did not satisfy the admission criteria of a receiving public institution as a high school senior, but who has earned sufficient credits at a public institution to be classified by the receiving public institution as a sophomore, shall meet the stated admission criteria developed and published by the receiving public institution for transfer.
 - (4) If the number of students seeking admission exceeds the number that can be accommodated at a receiving public institution, admission decisions shall be:
 - (a) Based on criteria developed and published by the receiving public institution and
 - (b) Made to provide fair and equal treatment for native and transfer students.
- B. Admission to Programs**
- (1) A receiving public institution may require higher performance standards for admission to some programs if the standards and criteria for admission to the program:
 - (a) Are developed and published by the receiving public institution and
 - (b) Maintain fair and equal treatment for native and transfer students.
 - (2) If the number of students seeking admission exceeds the number that can be accommodated in a particular professional or specialized program, admission decisions shall be:
 - (a) Based on criteria developed and published by the receiving public institution and
 - (b) Made to provide fair and equal treatment for native and transfer students.
 - (3) Courses taken at a public institution as part of a recommended transfer program leading toward a baccalaureate degree shall be applicable to related programs at a receiving public institution granting the baccalaureate degree.
- C. Receiving Institution Program Responsibility**
- (1) The faculty of a receiving public institution shall be responsible for development and determination of the program requirements in major fields of study for a baccalaureate degree, including courses in the major field of study taken in the lower division.
 - (2) A receiving public institution may set program requirements in major fields of study which simultaneously fulfill general education requirements.
 - (3) A receiving public institution, in developing lower division course work, shall exchange information with other public institutions to facilitate the transfer of credits into its programs.
- .03 General Education Requirements for Public Institutions.**
- A. While public institutions have the autonomy to design their general education program to meet their unique needs and mission, that program shall conform to the definitions and common standards in this chapter. A public institution shall satisfy the general education requirement by:**
- (1) Requiring each program leading to the A.A. or A.S. degree to include not less than 30 and not more than 36 semester hours, and each baccalaureate degree program to include not less than 40 and not more than 46 semester hours of required core courses, with the core requiring, at a minimum, course work in each of the following five areas:
 - (a) Arts and humanities,
 - (b) Social and behavioral sciences,
 - (c) Biological and physical sciences,
 - (d) Mathematics, and
 - (e) English composition; or
 - (2) Conforming with COMAR 13B.02.02.16D(2)(b)-(c).
- B. Each core course used to satisfy the distribution requirements of §A(1) of this regulation shall carry at least 3 semester hours.**
- C. General education programs of public institutions shall require at least**
- (1) One course in each of two disciplines in arts and humanities;
 - (2) One course in each of two disciplines in social and behavioral sciences;
 - (3) Two science courses, at least one of which shall be a laboratory course;
 - (4) One course in mathematics at or above the level of college algebra; and
 - (5) One course in English composition.
- D. Interdisciplinary and Emerging Issues.**
- (1) In addition to the five required areas in §A of this regulation, a public institution may include up to 8 semester hours in a sixth category that addresses emerging issues that institutions have identified as essential to a full program of general education for their students. These courses may:
 - (a) Be integrated into other general education

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- courses or may be presented as separate courses; and
- (b) Include courses that:
 - (i) Provide an interdisciplinary examination of issues across the five areas, or
 - (ii) Address other categories of knowledge, skills, and values that lie outside of the five areas.
 - (2) Public institutions may not include the courses in this section in a general education program unless they provide academic content and rigor equivalent to the areas in A(1) of this regulation.
- E. General education programs leading to the A.A.S. degree shall include at least 20 semester hours from the same course list designated by the sending institution for the A.A. and A.S. degrees. The A.A.S. degree shall include at least one 3-semester-hour course from each of the five areas listed in (A)(1) of this regulation.
 - F. A course in a discipline listed in more than one of the areas of general education may be applied only to one area of general education.
 - G. A public institution may allow a speech communication or foreign language course to be part of the arts and humanities category.
 - H. Composition and literature courses may be placed in the arts and humanities area if literature is included as part of the content of the course.
 - I. Public institutions may not include physical education skills courses as part of the general education requirements.
 - J. General education courses shall reflect current scholarship in the discipline and provide reference to theoretical frameworks and methods of inquiry appropriate to academic disciplines.
 - K. Courses that are theoretical may include applications, but all applications courses shall include theoretical components if they are to be included as meeting general education requirements.
 - L. Public institutions may incorporate knowledge and skills involving the use of quantitative data, effective writing, information retrieval, and information literacy when possible in the general education program.
 - M. Notwithstanding A(1) of this regulation, a public four-year institution may require 48 semester hours of required core courses if courses upon which the institution's curriculum is based carry 4 semester hours.
 - N. Public institutions shall develop systems to ensure that courses approved for inclusion on the list of general education courses are designed and assessed to comply with the requirements of this chapter.
- .04 Transfer of General Education Credit.
- A. A student transferring to one public institution from another public institution shall receive general education credit for work completed at the student's sending institution as provided by this chapter.
 - B. A completed general education program shall transfer without further review or approval by the receiving institution and without the need for a course-by-course match.
 - C. Courses that are defined as general education by one institution shall transfer as general education even if the receiving institution does not have that specific course or has not designated that course as general education.
 - D. The receiving institution shall give lower-division general education credits to a transferring student who has taken any part of the lower-division general education credits described in Regulation .03 of this chapter at a public institution for any general education courses successfully completed at the sending institution.
 - E. Except as provided in Regulation .03M of this chapter, a receiving institution may not require a transfer student who has completed the requisite number of general education credits at any public college or university to take, as a condition of graduation, more than 10-16 additional semester hours of general education and specific courses required of all students at the receiving institution, with the total number not to exceed 46 semester hours. This provision does not relieve students of the obligation to complete specific academic program requirements or course prerequisites required by a receiving institution.
 - F. A sending institution shall designate on or with the student transcript those courses that have met its general education requirements, as well as indicate whether the student has completed the general education program.
 - G. A.A.S. Degrees.
 - (1) While there may be variance in the numbers of hours of general education required for A.A., A.S., and A.A.S. degrees at a given institution, the courses identified as meeting general education requirements for all degrees shall come from the same general education course list and exclude technical or career courses.
 - (2) An A.A.S. student who transfers into a receiving institution with fewer than the total number of general education credits designated by the receiving institution shall complete the difference in credits according to the distribution as designated by the receiving institution. Except as provided in Regulation .03M of this chapter, the total general education credits for baccalaureate degree-granting public receiving institutions may not exceed 46 semester hours.
 - H. Student Responsibilities. A student is held:
 - (1) Accountable for the loss of credits that:
 - (a) Result from changes in the student's selection of the major program of study,
 - (b) Were earned for remedial course work, or
 - (c) Exceed the total course credits accepted in

- transfer as allowed by this chapter; and
- (2) Responsible for meeting all requirements of the academic program of the receiving institution.
- 05 Transfer of Non-General Education Program Credit.
- A. Transfer to Another Public Institution.
- (1) Credit earned at any public institution in the State is transferable to any other public institution if the:
 - (a) Credit is from a college or university parallel course or program;
 - (b) Grades in the block of courses transferred average 2.0 or higher; and
 - (c) Acceptance of the credit is consistent with the policies of the receiving institution governing native students following the same program.
 - (2) If a native student's "D" grade in a specific course is acceptable in a program, then a "D" earned by a transfer student in the same course at a sending institution is also acceptable in the program. Conversely, if a native student is required to earn a grade of "C" or better in a required course, the transfer student shall also be required to earn a grade of "C" or better to meet the same requirement.
- B. Credit earned in or transferred from a community college is limited to:
- (1) 1/2 the baccalaureate degree program requirement, but may not be more than 70 semester hours; and
 - (2) The first 2 years of the undergraduate education experience.
- C. Nontraditional Credit.
- (1) The assignment of credit for AP, CLEP, or other nationally recognized standardized examination scores presented by transfer students is determined according to the same standards that apply to native students in the receiving institution, and the assignment shall be consistent with the State minimum requirements.
 - (2) Transfer of credit from the following areas shall be consistent with COMAR 13B.02.02. and shall be evaluated by the receiving institution on a course-by-course basis:
 - (a) Technical courses from career programs;
 - (b) Course credit awarded through articulation agreements with other segments or agencies;
 - (c) Credit awarded for clinical practice or cooperative education experiences; and
 - (d) Credit awarded for life and work experiences.
 - (3) The basis for the awarding of the credit shall be indicated on the student's transcript by the receiving institution.
 - (4) The receiving institution shall inform a transfer student of the procedures for validation of course work for which there is no clear equivalency. Examples of validation procedures include ACE recommendations, portfolio assessment, credit through challenge, examinations, and satisfactory completion of the next course in sequence in the academic area.
- (5) The receiving baccalaureate degree-granting institution shall use validation procedures when a transferring student successfully completes a course at the lower division level that the receiving institution offers at the upper division level. The validated credits earned for the course shall be substituted for the upper division course.
- D. Program Articulation.
- (1) Recommended transfer programs shall be developed through consultation between the sending and receiving institutions. A recommended transfer program represents an agreement between the two institutions that allows students aspiring to the baccalaureate degree to plan their programs. These programs constitute freshman/sophomore level course work to be taken at the community college in fulfillment of the receiving institution's lower division course work requirement.
 - (2) Recommended transfer programs in effect at the time that this regulation takes effect, which conform to this chapter, may be retained.
- .06 Academic Success and General Well-Being of Transfer Students.
- A. Sending Institutions.
- (1) Community colleges shall encourage their students to complete the associate degree or to complete 56 hours in a recommended transfer program which includes both general education courses and courses applicable toward the program at the receiving institution.
 - (2) Community college students are encouraged to choose as early as possible the institution and program into which they expect to transfer.
 - (3) The sending institution shall:
 - (a) Provide to community college students information about the specific transferability of courses at 4-year colleges;
 - (b) Transmit information about transfer students who are capable of honors work or independent study to the receiving institution; and
 - (c) Promptly supply the receiving institution with all the required documents if the student has met all financial and other obligations of the sending institution for transfer.
- B. Receiving Institutions.
- (1) Admission requirements and curriculum prerequisites shall be stated explicitly in institutional publications.
 - (2) A receiving institution shall admit transfer students from newly established public colleges that are functioning with the approval of the Maryland Higher Education Commission on the same basis as applicants

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from regionally accredited colleges.

- (3) A receiving institution shall evaluate the transcript of a degree-seeking transfer student as expeditiously as possible, and notify the student of the results not later than midsemester of the student's first semester of enrollment at the receiving institution, if all official transcripts have been received at least 15 working days before mid-semester. The receiving institution shall inform a student of the courses which are acceptable for transfer credit and the courses which are applicable to the student's intended program of study.
- (4) A receiving institution shall give a transfer student the option of satisfying institutional graduation requirements that were in effect at the receiving institution at the time the student enrolled as a freshman at the sending institution. In the case of major requirements, a transfer student may satisfy the major requirements in effect at the time when the student was identifiable as pursuing the recommended transfer program at the sending institution. These conditions are applicable to a student who has been continuously enrolled at the sending institution.

.07 Programmatic Currency.

- A. A receiving institution shall provide to the community college current and accurate information on recommended transfer programs and the transferability status of courses. Community college students shall have access to this information.
- B. Recommended transfer programs shall be developed with each community college whenever new baccalaureate programs are approved by the degree-granting institution.
- C. When considering curricular changes, institutions shall notify each other of the proposed changes that might affect transfer students. An appropriate mechanism shall be created to ensure that both 2-year and 4-year public colleges provide input or comments to the institution proposing the change. Sufficient lead time shall be provided to effect the change with minimum disruption. Transfer students are not required to repeat equivalent course work successfully completed at a community college.

.08 Transfer Mediation Committee.

- A. There is a Transfer Mediation Committee, appointed by the Secretary, which is representative of the public 4-year colleges and universities and the community colleges.
- B. Sending and receiving institutions that disagree on the transferability of general education courses as defined by this chapter shall submit their disagreements to the Transfer Mediation Committee. The Transfer Mediation Committee shall address general questions regarding existing or past courses only, not individual student cases, and shall also address questions raised by institutions about the acceptability of new general

education courses. As appropriate, the Committee shall consult with faculty on curricular issues.

- C. The findings of the Transfer Mediation Committee are considered binding on both parties.

.09 Appeal Process.

A. Notice of Denial of Transfer Credit by a Receiving Institution.

- (1) Except as provided in §A(2) of this regulation, a receiving institution shall inform a transfer student in writing of the denial of transfer credit not later than mid-semester of the transfer student's first semester, if all official transcripts have been received at least 15 working days before mid-semester.
- (2) If transcripts are submitted after 15 working days before mid-semester of a student's first semester, the receiving institution shall inform the student of credit denied within 20 working days of receipt of the official transcript.
- (3) A receiving institution shall include in the notice of denial of transfer credit:
 - (a) A statement of the student's right to appeal; and
 - (b) A notification that the appeal process is available in the institution's catalog.
- (4) The statement of the student's right to appeal the denial shall include notice of the time limitations in B of this regulation.

B. A student believing that the receiving institution has denied the student transfer credits in violation of this chapter may initiate an appeal by contacting the receiving institution's transfer coordinator or other responsible official of the receiving institution within 20 working days of receiving notice of the denial of credit.

C. Response by Receiving Institution.

- (1) A receiving institution shall:
 - (a) Establish expeditious and simplified procedures governing the appeal of a denial of transfer of credit; and
 - (b) Respond to a student's appeal within 10 working days.
- (2) An institution may either grant or deny an appeal. The institution's reasons for denying the appeal shall be consistent with this chapter and conveyed to the student in written form.
- (3) Unless a student appeals to the sending institution, the writing decision in C(2) of this regulation constitutes the receiving institution's final decision and is not subject to appeal.

D. Appeal to Sending Institution.

- (1) If a student has been denied transfer credit after an appeal to the receiving institution, the student may request the sending institution to intercede on the student's behalf by contacting the transfer coordinator of the sending institution.
- (2) A student shall make an appeal to the sending institution within 10 working days of having received the decision of the receiving institution.

E. Consultation Between Sending and Receiving Institutions.

- (1) Representatives of the two institutions shall have 15 working days to resolve the issues involved in an appeal.
- (2) As a result of a consultation in this section, the receiving institution may affirm, modify, or reverse its earlier decision.
- (3) The receiving institution shall inform a student in writing of the result of the consultation.
- (4) The decision arising out of a consultation constitutes the final decision of the receiving institution and is not subject to appeal.

.10 Periodic Review.

A. Report by Receiving Institution.

- (1) A receiving institution shall report annually the progress of students who transfer from 2-year and four-year institutions within the State to each community college and to the Secretary of the Maryland Higher Education Commission.
- (2) An annual report shall include ongoing reports on the subsequent academic success of enrolled transfer students, including graduation rates, by major subject areas.
- (3) A receiving institution shall include in the reports comparable information on the progress of native students.

B. Transfer Coordinator. A public institution of higher education shall designate a transfer coordinator, who serves as a resource person to transfer students at either the sending or receiving campus. The transfer coordinator is responsible for overseeing the application of the policies and procedures outlined in this chapter and interpreting transfer policies to the individual student and to the institution.

C. The Maryland Higher Education Commission shall establish a permanent Student Transfer Advisory Committee that meets regularly to review transfer issues and recommend policy changes as needed.

The Student Transfer Advisory Committee shall address issues of interpretation and implementation of this chapter.

Effective date: December 4, 1995 (22:24 Md. R. 1901)

Regulations .02, .03, and .05 amended. Effective date: July 1, 1996

(23:13 Md. R. 946)

Revised: February 11, 1998

Notification of Rights under FERPA

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights include:

- (1) The right to inspect and review the student's education records within 45 days of the day the College receives a request for access. Students should submit to the registrar, dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they wish to inspect. The

College official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the College official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

- (2) The right to request the amendment of the student's education records that the student believes is inaccurate.

Students may ask the College to amend a record that they believe is inaccurate. They should write the College official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate. If the College decides not to amend the record as requested by the student, the College will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

- (3) The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.

One exception, which permits disclosure without consent, is disclosure to school officials with legitimate educational interests. A school official is a person employed by the College in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the College has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

- (4) The right to file a complaint with the U.S. Department of Education concerning alleged failures by the College to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202-5901

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Resolution on Americans With Disabilities Act Compliance

WHEREAS, Congress has enacted the Americans with Disabilities Act (ADA); and WHEREAS, the Board of Trustees of Baltimore City Community College intends to comply with the requirements of that Act; and WHEREAS, the Board of Trustees is committed to compliance with both the letter and the spirit of the Americans with Disabilities Act as well as the Rehabilitation Act of 1973 and other laws protecting the rights of persons with disabilities; and WHEREAS, the Board of Trustees is committed to providing opportunities to qualified persons with disabilities in employment and in access to education, where this will not pose an undue burden or fundamentally alter the programs of the institution; and WHEREAS, compliance with ADA requires the awareness of all employees of the institution and a commitment of institutional resources. NOW THEREFORE, the Board of Trustees resolves to make compliance with the Americans with Disabilities Act a priority of the institution and to take appropriate steps to meet the deadlines established by Congress. In preparing its plan for compliance, the Board of Trustees requests the following actions:

- (1) Implement procedures for raising awareness of the requirements of the ADA at all levels of the institution, including administrators, faculty, and supervisors.
- (2) Take steps to coordinate responses to requests from individuals with disabilities and respond to those requests in a timely fashion.
- (3) Support the work of the Committee on Disability Support Services and ensure prompt preparation of a self-evaluation.

The members of the Board of Trustees hereby resolve to encourage the administration to raise awareness on the ADA with the appropriate State legislative bodies and to secure the resources necessary to comply with ADA. It is the intent of the Board of Trustees that compliance with the letter of the ADA shall be a priority of the institution and appropriate changes be made and accommodation provided to qualified individuals with disabilities, unless this poses an undue burden on the institution's resources or would fundamentally alter the nature of a program.

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