



University of the Virgin Islands

2002-2003 Catalog

Statement of Mission

The University of the Virgin Islands is a liberal arts, land-grant institution established by public statute to meet the higher education needs of the people of the U.S. Virgin Islands and the wider Caribbean.

The University offers undergraduate, graduate and continuing education programs, which provide the requisite competencies for productive, fulfilling lives and responsible citizenship.

The University is committed to advancing knowledge through research and public service, particularly in areas that contribute to understanding and resolving issues and problems unique to the Virgin Islands and the Caribbean.

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**Admission to this program is suspended until further notice.*

Important Note:

The information contained in this Catalog refers to the University of the Virgin Islands as of July, 2002.

The University reserves the right to change its course offerings and rules and regulations at any time. Such changes will be published in the annual catalog, the website at www.uvi.edu, and other appropriate media.

Information on University policies is available from the website, catalog, student handbook, faculty advisors and division chairs.

The availability of degree programs and the scheduling of courses are subject to change as required by enrollment and funding constraints.

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The University of the Virgin Islands is an equal opportunity, affirmative action, Title IX, Section 504, PL 101-542 educator and employer.



Calendar

2002

August

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2003

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August

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September

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27	28	29	30			



Academic Calendar

Fall Semester 2002

- New student orientation Tuesday, August 13 - Wednesday August 14
- Last day for payment of tuition and fees
for the Fall 2002 semester Wednesday, August 14
- Faculty return date/Faculty Convocation Thursday, August 15
- New student advisement/
registration Thursday, August 15 - Friday, August 16
- Late registration Friday, August 16 - Monday, August 19
- Classes begin Monday, August 19
- Add/Drop period Monday, August 19 - Thursday, August 22
- Labor Day (University closed) Monday, September 2
- Last day to drop a course without WF, WP,
or to change from audit to credit or vice versa . . . Monday, September 30
- Mid-Term Low Grade Reports due Monday, October 14
- Final day to drop a course or withdraw
without Chancellor's permission Thursday, October 17
- Liberty Day (University closed) Friday, November 1
- Advisement and registration of continuing students
for Spring 2003 semester. . . Monday, November 4 - Wednesday, November 13
- Veteran's Day (University closed) Monday, November 11
- English Proficiency Exam (EPE) Thursday, November 14
- Thanksgiving and Fortsberg Discovery Day
(University closed) Thursday, November 28 - Sunday, December 1
- Last day of classes Sunday, December 8
- Final Exams (no other student activities to be scheduled
during this period) Monday, December 9 - Sunday, December 15
- Fall semester ends Sunday, December 15
- Last day for instructors to submit grades (by 10 a.m.) . . Monday, December 16
- Last day to pay tuition and fees for the
Spring 2003 semester Thursday, December 19

Academic Calendar

Spring Semester 2003

Faculty return date	Tuesday, January 7
New student orientation	Tuesday, January 7
New student advisement/registration	Wednesday, January 8
Late registration	Thursday, January 9 - Friday, January 10
Classes begin	Thursday, January 9
Add/Drop period	Monday, January 13 - Tuesday, January 14
Martin Luther King Day (University closed)	Monday, January 20
Last day to apply for graduation	Friday, February 7
Last day to drop a course without WF, WP, or to change from audit to credit or vice versa	Thursday, February 13
Mid-Term Low Grade Reports due	Thursday, March 13
Charter Day	Sunday, March 16
Spring Recess (no classes)	Monday, March 17 - Sunday, March 23
Final day to drop a course or withdraw without Chancellor's permission	Monday, March 24
Advisement and registration of continuing students for Fall 2003 semester	Monday, March 31 - Wednesday, April 9
Admissions application deadline for Fall 2003	Friday, April 30
English Proficiency Exam (EPE)	Thursday, April 10
Recess (University closed)	Friday, April 18 - Sunday, April 20
Carnival Recess (no classes)	Friday, May 2 - Sunday, May 4
Last day of classes	Thursday, May 1
Final Exams (no other student activities to be scheduled during this period)	Monday, May 5 - Sunday, May 11
Spring semester ends	Sunday, May 11
Last day for instructors to submit grades (by 10 a.m.)	Monday, May 12
Faculty meeting to certify graduates	Thursday, May 15
Commencement St. Thomas Campus	Saturday, May 17
St. Croix Campus	Sunday, May 18

Summer Session 2003

Registration	Thursday, June 5 - Friday, June 6
Classes begin	Monday, June 9
Add/Drop period	Tuesday, June 10
Final day to drop/withdraw without Chancellor's permission	Thursday, June 26
V.I. Emancipation Day (University closed)	Thursday, July 3
Independence Day (University closed)	Friday, July 4
Last day of classes	Monday, July 21
Last day for instructors to submit grades	Wednesday, July 23
Summer session ends	Wednesday, July 23





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St. Thomas, Virgin Islands



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Small Business Development Center	Warren Bush
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Office of Graduate Studies	TBA
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Libraries	Jennifer Jackson
Student Affairs Office	TBA
Title III Office	Marilyn Nibbs
Virgin Islands University Center for Excellence in Developmental Disabilities	Yegin Habtes

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Education	Denis Griffith
Humanities	Valerie Knowles Combie
Nursing	Joan Marsh
Science and Mathematics	Velma Tyson
Social Sciences	Aletha Baumann

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Upward Bound	Rosalia Rohan
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Education	Linda Thomas
Humanities	Lorna Young-Wright
Nursing	Gloria Callwood
Science and Mathematics	Robert Stolz
Social Sciences	Dion Phillips

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Academic Computing (STT)	Debra Graulich

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Associate Vice President/Controller	Vincent Samuel
Facilities Management/Capital Development/ Disaster Preparedness and Recovery	Patrick O'Donnell
Financial Planning, Budgeting, and Management Services	TBA
Human Resources and Affirmative Action Administration	Manuel Thomas
Special Assistant to the Vice President for Admin. & Finance	Cornell Williams

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Alumni Affairs - St. Thomas Campus	Jacqueline Sprauve
Annual Giving and Alumni Affairs	Deborah D. Hamilton
Development Services	Noreen E. Stout
Public Relations	Patrice Johnson
Reichhold Center for the Arts	David Edgcombe
Special Events	Raul Carrillo





The University

History

The University of the Virgin Islands (UVI) was chartered on March 16, 1962, as the College of the Virgin Islands — a publicly funded, coeducational, liberal arts institution — by Act No. 862 of the Fourth Legislature of the U.S. Virgin Islands. According to that law, UVI's cornerstone objective is to provide for "...the stimulation and utilization of the intellectual resources of the people of the Virgin Islands and the development of a center of higher learning whereby and wherefrom the benefits of culture and education may be extended throughout the Virgin Islands."

The enabling legislation was the result of at least two years of preparation and planning. In 1960, the V.I. Legislature created a temporary body called the Virgin Islands College Commission, comprised of interested island residents, to survey the need for a territorial college. In April 1961, Governor Ralph M. Paiewonsky pledged to establish such a college in his inaugural address. And in July 1961, Governor Paiewonsky hosted a Governor's Conference on Higher Education, at which twenty educators observed and analyzed the Virgin Islands' educational scene, and made recommendations for the creation of the College of the Virgin Islands (CVI).

The first campus opened on St. Thomas in July 1963, on 175 acres donated by the federal government. The first board of trustees took office in August 1963. In 1964, the college founded a second campus on St. Croix, on 130 acres also donated by the federal government.

CVI began by offering only associate of arts degrees. In 1967 it added bachelor's degree programs in liberal arts and education. The first baccalaureate degrees were awarded in 1970, and in 1976 the college awarded its first master's degrees in education. Two years later, master's degree programs in business administration and public administration were instituted on both campuses.

In 1972, the College of the Virgin Islands was awarded Land-Grant status by the U.S. Congress. This allowed for the establishment of an Agricultural Experiment Station and a Cooperative Extension Service. Since then, many other programs and services have been added. These include the Reichhold Center for the Arts, the Eastern Caribbean Center, the William P. MacLean Marine Science Center, and the Sports and Fitness Center.

In 1986, the College of the Virgin Islands was renamed the University of the Virgin Islands to reflect the growth and diversification of its academic curricula, community and regional services, and research programs. That same year, the United States Congress named UVI one of America's His-

The University

torically Black Colleges and Universities (HBCU); therefore, it holds the distinction of being the only HBCU outside of the continental United States.

In 2002, Dr. LaVerne E. Ragster was named the fourth president of the University of the Virgin Islands, succeeding Dr. Orville E. Kean who became president in 1990. Dr. Arthur A. Richards served as the second president of UVI from 1980-1990, while Lawrence C. Wanlass served as the first president from 1962-1980, when UVI was the College of the Virgin Islands.

Another milestone in the historical development of the University was the Board of Trustees' approval of a new framework for UVI's organization and governance, which went into effect on October 1, 1999. The basis of the new administrative structure is a Provost / Chancellor system that separates campus-level and university-level responsibilities in order to create an environment that better addresses the changing needs of each campus, the University, and the Virgin Islands community.

Today, UVI has a combined enrollment of approximately 2,500 full-time, part-time, and graduate students on its two campuses. It continues to offer a high quality, affordable liberal arts education in a culturally diverse environment. The University's objective is to be recognized as the leading American institution of higher learning in the Caribbean.

Accreditation and Memberships

The University of the Virgin Islands is accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools, 3624 Market Street Philadelphia, PA, 19104, (215) 662-5606. The Commission on Higher Education is an institutional accrediting agency recognized by the U.S. Secretary of Education and the Commission on Recognition of Postsecondary Accreditation. The University is also an active member of the American Association for Higher Education, the American Association of State Colleges and Universities, the American Council on Education, the Association of Caribbean Information Systems, the Association of Caribbean Universities and Research Institutes, the Association of Governing Boards, the National Association for Equal Opportunity, and the National Association of State Universities and Land Grant Colleges.

The bachelor and associate degree programs in nursing education are accredited by the National League for Nursing, Accrediting Commission, 61 Broadway 33rd Floor, New York, New York 10006 (800-669-1656 ext. 153). The Business Administration Division is a member of the Assembly of the American Association of Collegiate Schools of Business.

Location, Facilities and Global Access

The University of the Virgin Islands, located in the Eastern Caribbean, is 45 miles east of Puerto Rico. The University is located on two campuses. On St.

Croix, the largest of the U.S. Virgin Islands, the campus includes academic facilities, a student life complex, the V.I. Cooperative Extension Service and the Agricultural Experiment Station. The St. Thomas Campus contains academic facilities, administrative and student service buildings, residence halls, the Reichhold Center for the Arts and the William P. MacLean Marine Science Center. In addition to these campuses, the University maintains the Virgin Islands Environmental Resource Station on the island of St. John.

Microwave telecommunication facilities connect the two campuses for many videoconference classes and university meetings. Access to the Internet and World Wide Web supports distance learning course offerings as well as global information and communication for students, faculty and staff. The UVI home page at <http://www.uvi.edu> provides current UVI information and links to a wide range of university documents and other information.

Special Programs

The University offers a number of special programs through the Academic Divisions, Community and Personal Development, the Agricultural Experiment Station, the Cooperative Extension Service, and the Water Resources Research Institute. These include certificate programs such as the Inclusive Early Childhood Education Program, special self-improvement courses, and courses in a wide variety of subjects to improve the quality of life for residents.

The University of the Virgin Islands is a member of the National Student Exchange program which offers undergraduate students an opportunity to study for up to one year at one of 171 colleges and universities in the United States and its territories. Students spend either their sophomore or junior year in the exchange program and return to the University of the Virgin Islands to graduate. Students from other NSE membership schools also spend a year or semester studying at UVI. Additional information is available from the Counseling and Placement Office. UVI is a member of the Association of Caribbean Universities and Research Institute (UNICA) and participates in the Caribbean Intercollegiate Student Exchange program. This program allows UVI students to spend a semester or an academic year at a participating university and allows students from participating Caribbean colleges and universities to spend a semester or academic year at UVI.

A cooperative agreement between the University of the Virgin Islands and Boston University School of Medicine exists whereby University of the Virgin Islands students, after meeting certain qualifications, may be accepted provisionally into the medical school at the end of their sophomore year. These students spend two summers and their senior year at Boston University and graduate with a bachelor of science degree from the University of the Virgin Islands. The Science and Mathematics Division has developed an articulation program in engineering with Columbia University in New York and Washington University in St. Louis. These articulation agreements allow students

The University

to begin their studies at UVI and then complete requirements for graduation at one of the schools. Students who satisfy all requirements receive one degree from UVI and a second degree in engineering from one of the two schools. There are less formalized transfer programs in pre-engineering, pre-pharmacy and pre-medical technology for students who wish to study in these fields at the University of the Virgin Islands before transferring to a specialized institution to complete their studies. Interested students should seek additional information from the Chair of the Division of Science and Mathematics.

UVI has entered into several special agreements and collaborative ventures within the last few years. One such agreement is with the University of Charleston. There will be joint collaborations on faculty and student exchanges, faculty research, and program development. Research will be conducted at the Etelman Observatory, located on St. Thomas at an elevation of approximately 1,500 ft. The Observatory houses a state-of-the-art 16-inch American Optical refracting telescope. The telescope has been fitted with a CCD camera, a computer controlled filter wheel, and optical encoders which allow the telescope to be positioned with exceptional accuracy. The facility will be used both for instructional purposes and research, which is sponsored in part by the South Carolina NASA Space Grant Consortium.

A cooperative student and faculty exchange agreement between Emory University and the University of the Virgin Islands is currently in effect. The exchange agreement provides for the regular exchange of students and faculty between the two institutions in order to enhance the education and the mutual understanding of both students and faculty.

The Virgin Islands University Center for Excellence in Developmental Disabilities (VIUCEDD), previously known as the Virgin Islands University Affiliated Program (VIUAP), was established in October 1994 to enhance the quality of life for citizens with developmental disabilities and their families. VIUCEDD carries out its mission by promoting independence, productivity and full integration into the community through interdisciplinary training, exemplary service, technical assistance and information dissemination.

Other Collaborative Agreements or Memoranda of Understanding have been established between UVI and:

- Consortium for Caribbean Marine Studies
- Consortium of Caribbean Universities for Natural Resource Management
- Department of Commerce
- H. Lavity Stoutt Community College, British Virgin Islands
- National Oceanic and Atmospheric Administration
- Savannah State University
- The State University of New York at New Paltz
- U. S. Department of the Interior

- University of Alabama
- University of Ghana, Legon and the University of Copenhagen
- University of St. Maarten
- Virgin Islands National Park Service

Special Degree Program Offerings:

From time to time, the University develops special degree programs to provide workforce training and to enhance the professional development of service providers. One such program is the Inclusive Early Childhood Education Associate in Arts degree program. Designed to ensure that child care providers and early childhood professionals are trained to provide quality programs in which infants, toddlers and pre-schoolers with differing abilities are nurtured, the degree program admits students as a cohort based on community need.



St. Croix Campus

GRADUATE PROGRAMS

Education Specialist in School Psychology
Master of Arts in Education
Master of Business Administration
Master of Public Administration

UNDERGRADUATE PROGRAMS

Bachelor of Arts Degree

Accounting
Business Administration
Elementary Education

Bachelor of Science Degree

Computer Science

Associate of Arts Degree

Accounting
Business Management
Computer Information Systems
*Office Systems
Police Science and Administration

Associate of Science Degree

Computer Science
Nursing

Associate of Applied Science Degree

Process Technology

*Inactive

Campus Overview

The 130-acre campus of the University of the Virgin Islands on St. Croix is located at Golden Grove, midway between the towns of Christiansted and Frederiksted. Used by the University since 1964, the land was deeded to the University for educational purposes by the United States federal government in 1968. The entrance to the campus, from Queen Mary Highway, is lined by royal palm trees leading to the residence halls, Student Center and the Melvin H. Evans Center for Learning. The main buildings include the Great House, where classes were held prior to 1975; the Melvin H. Evans Center for Learning (the main academic building); the Northwest Wing which was erected in 1989 houses the computer laboratories; the Research and Extension Center which opened its doors in 1992, and the Nursing complex which has been home to the Division of Nursing Education since 1996.

The Student Center houses a combination auditorium/cafeteria, the Snack Bar, the Office of Student Activities, the Student Activities Lounge, a student mail room and the Campus Bookstore. Behind the Student Center are recently constructed outdoor basketball/volleyball and tennis courts used for physical education classes, intramural athletics and recreation. The residence halls opened for student occupancy in January 1999. The residence hall complex is comprised of 17 three-bedroom suites, the Office of Student Housing & Residence Life, a reception area, lounge, two study /seminar rooms, laundry facilities and on-campus living quarters for the Student Housing Supervisor.

Melvin H. Evans Center for Learning

Opened in 1975, the Melvin H. Evans Center for Learning is named for the U.S. Virgin Islands' first elected governor. The architecturally unique Center is a modern air-conditioned, multi-level complex constructed around a landscaped courtyard with open-air walkways, galleries, attractive stonework, tropical foliage, miniature waterfalls and manmade ponds. The building of modular design, provides for future expansion as the higher education needs of St. Croix residents increase.

The Melvin H. Evans Center for Learning houses the Office of the Chancellor, the Library, classrooms, faculty offices, Division Chair offices, video conferencing facilities including a 73-seat Theater, the Office of Business and Facilities Services, Physical Plant and Campus Security. Academic and student support services and programs housed in the Center include the offices of Admissions and Academic Services, Financial Aid, and the Freshman Center.

The Great House

Prior to the construction of the Melvin H. Evans Center for Learning in 1975, all classes on the St. Croix Campus were conducted in the Great House, a 19th

St. Croix Campus

century historic building that was originally the main house of a sugar cane plantation. Completely renovated in 2001, the Great House now includes the new Health Services Center, counseling & placement, student employment, the Student Government Association (SGA) and the Office of the Associate Chancellor.

St. Croix Campus Library

The St. Croix Campus Library was founded in 1964 and was moved to its present location in the Melvin Evans Center for Learning in 1975. Its primary function is to support the educational mission of the University. Its holdings are oriented toward such programs and are supplemented and updated on a continuous basis. Its current holdings of about 53,000 volumes and over 167 periodical subscriptions are complemented by those of the Ralph M. Paiewonsky Library on the St. Thomas Campus. The library also subscribes to databases, which provide online full-text access to over 1,100 journal and newspaper titles.

The St. Croix Campus Library features a special collection of Virgin Islands and Caribbean materials and an extensive pamphlet file of conference papers and other materials on the Caribbean. There are also more than 590,000 documents on microfiche in the Educational Resources Information Center (ERIC) collection. The Library also serves as a depository for the publications of the Government of the United States Virgin Islands.

In its dual role as media center, the St. Croix Campus Library houses a growing collection of audiovisual material. It also maintains presentation equipment for classroom and in-library use with audiovisual material. Instruction in the use of this material and in all other library resources is offered to groups or individuals upon request.

Both libraries offer Internet access from their computer labs. Links from the Libraries' web site (<http://library.uvi.edu/>) provide access to several academic and other databases including Infotrac Web, FirstSearch, CINAHL, ERIC, and Newsbank as well as a link to UVIAL, the online catalog of library holdings. Through UVIAL, students may search for listings of books, periodicals and government documents housed in both campus libraries. A well developed system of inter-campus loans allows students, faculty, and staff to borrow or otherwise have access to materials from either campus library. Through the catalog, they may also search a growing collection of electronic documents on Virgin Islands history and culture available on the web. This recent collection was developed through a collaborative project of the University Libraries and the Virgin Islands Division of Libraries Archives and Museums. Documents cover the areas of education, biography, history and culture.

The Library maintains membership to OCLC (Online Computer Library Center), through SOLINET (Southeastern Library Network). Membership in this network provides opportunities for additional interlibrary loans from and to

libraries across the mainland U.S. and around the world, as well as electronic access to cataloging services.

Research and Extension Center

The Research and Extension Center contains several programs of the Agricultural Experiment Station and the Cooperative Extension Service. This state-of-the-art facility is home to the Biotechnology Laboratory with its light and temperature-controlled growth room and molecular biology equipment, the Plant Science laboratory where research is conducted in the areas of soil and plant analysis, a home economics food laboratory and four seminar rooms, 16 research faculty and staff offices, and a staff lounge.



St. Thomas Campus

GRADUATE PROGRAMS

Education Specialist in School Psychology
Master of Arts in Education
Master of Business Administration
Master of Public Administration

UNDERGRADUATE PROGRAMS

Bachelor of Arts Degree

Bachelor of Arts Degree
Accounting
Biology
Business Administration
Chemistry
Elementary Education
English
Humanities
Marine Biology
Mathematics
Music Education
Psychology
Social Sciences
Social Work
Speech Communication and Theatre

Bachelor of Science Degree

Applied Mathematics
Biology
Chemistry
Computer Science
Marine Biology
Mathematics
Nursing

Associate of Arts Degree

Accounting
Business Management
Computer Information Systems
Hotel and Restaurant Management
*Office Systems
Police Science and Administration

Associate of Science Degree

Computer Science
Physics

**Inactive*

Campus Overview

The 388-acre St. Thomas campus of the University of the Virgin Islands is located three miles west of the town of Charlotte Amalie and overlooks John Brewer's Bay. Currently the buildings include: The Ralph M. Paiewonsky Library; Residence Halls housing approximately 230 students; Continuing Education, Business Administration, Humanities, Nursing Education, Science and Mathematics, Social Sciences, and Teacher Education buildings; the Music Education Center; the Sports and Fitness Center, the William P. MacLean Marine Science Center, and the Leo M. Harvey Student Center which includes the dining hall. Also, there is the Health Services Center; the Classroom Administration Building which contains classrooms, a theatre, administration and faculty offices and science laboratories; and The Reichhold Center for the Arts, an open-air amphitheater seating 1196 persons, including 356 covered seats.

The University campus includes the Herman E. Moore Golf Course, Brewer's Bay beach, tennis courts and a basketball court for student use as part of the athletic and recreation programs. Several areas are used as playing fields. The golf course is used as a common area for diverse activities such as golf practice and special events. The multi-purpose Sports and Fitness Center was officially opened and dedicated January 2001.

Ralph M. Paiewonsky Library

The Ralph M. Paiewonsky Library, one of the two main libraries of the University, was founded in 1962. It was moved to its present location on the North Campus in January 1969, and was dedicated and named in honor of former governor, Ralph M. Paiewonsky on March 15, 1969.

The Paiewonsky Library's main purpose is to support the educational mission of the University. Its holdings of 91,673 volumes, including books, maps, pictures and pamphlets, and over 600,000 pieces of microform are complemented by those of the St. Croix Campus Library (see page 8). The Paiewonsky Library has over 530 periodical subscriptions and over 14,000 periodical volumes. Additionally, the library subscribes to electronic databases, which provide online full-text access to over 1100 journal and newspaper titles.

Featured among its resources are several special collections: The Caribbean Collection of materials pertaining to the culture, history and literature of the Virgin Islands and the wider Caribbean area; the Melchior Center for Recent History, a developing collection of recent Virgin Islands material; the Casper Holstein Collection on African culture and history; and the circulating William Taussig Memorial Collection, which is focused on African-American and Caribbean culture. The Library maintains the entire collection of ERIC (Educational Resources Information Center) documents on microfilm and full text online. Since 1973, the Library has been a selective depository for U.S. Government materials, a collection that now totals over 15,000 documents in print

St. Thomas Campus

and electronic formats. The Library is also a depository for the publications of the Government of the United States Virgin Islands.

Both libraries offer Internet access from their computer labs. Links from the Libraries' Web Page (<http://library.uvi.edu>) provide access to several academic and other databases including Infotrac Web, FirstSearch, CINAHL, ERIC, and Newsbank Newfile as well as a link to UVIAL, the online catalog of library holdings. Through UVIAL, students may search for listings of books, periodicals, and government documents housed in both campus libraries. A well-developed system of intercampus loans, allows students, faculty and staff to borrow or otherwise have access to materials from either campus library.

The Library maintains membership to OCLC (Online Computer Library Center), through SOLINET (Southeastern Library Network). Membership in this library network provides opportunities for additional interlibrary loans from and to libraries across the mainland U.S. and around the world, as well as electronic access to cataloging services.

Music Education Center

The Music Education Center was officially dedicated on February 11, 1999. The Center provides a pleasant atmosphere for all who utilize the facility. It houses four private practice rooms (each room contains a piano), a tiered band room, a room specially configured for use by the University's steel band, an elegant concert choir room and a computer lab/listening room.

Sports and Fitness Center

The Sports and Fitness Center (SFC), on the St. Thomas campus, officially opened in January 2001. It is the largest indoor state-of-the-art facility of its kind in the Eastern Caribbean. The center is built on the site of the old UVI Field House (gym), formerly a 1930's seaplane hangar built by the U. S. Navy.

The center is used primarily for physical education classes, intramural sports, and varsity athletics, including the men's and women's basketball and volleyball teams. It is available for rental and utilized widely on a rental basis by a variety of groups and organizations. The center has two levels which occupy over 64,000 square feet. The seating capacity is 2,500 for basketball games and 4,000 for concerts and other events.

The center houses three large classrooms, along with conference rooms, an aerobics room, a training room for sports injury treatment, dual cross courts, two volleyball courts, locker rooms, a lighting and sound room for concerts and special events, and a VIP viewing room overlooking the arena. The building also includes the offices of the Director and Assistant Director of Athletics, the Office of the Vice Provost for Research and Public Service, faculty offices and the bookstore.

Off Campus Facilities

University facilities that are not on the main St. Thomas campus include Etelman House, site of an astronomical laboratory which is located on Crown Mountain, and the Virgin Islands Environmental Resource Station (VIERS). VIERS, located on the island of St. John, provides unique outdoor and marine learning opportunities through environmental education programs and research activities. Situated on the remote southern shore of the Virgin Islands National Park, close to hiking trails and coral reefs, VIERS' 12 cabins can accommodate up to 48 overnight guests. A waterside laboratory, with dock, is accessible to students and researchers. VIERS is also available for personal enrichment and for group retreats. Clean Islands International, a non-profit environmental education organization, currently manages VIERS.



Community and Personal Development

Community and Personal Development

An essential part of the University's mission and vision is to contribute to the social and economic development of the U.S. Virgin Islands and the surrounding Caribbean community. As the only institution of higher learning in the Territory, UVI is in a good position to meet the professional development needs of individuals living and working in the region and the specific training needs of current and future employers. The Office of Community and Personal Development is focused on meeting these needs through training in two areas: workforce development and personal enrichment. The University offers flexible and convenient course schedules to meet our customers' needs. In addition to the traditional face-to-face classroom setting, the University offers students the opportunity to receive training over a range of delivery modes including self-paced study and instruction at a distance. Online courses are offered over the Worldwide Web and are available to any student with access to a computer equipped with the required hardware and software. A schedule of offerings, starting dates, times, fees and registration information is available through the Office of Community and Personal Development at (340) 693-1100 or lhaywar@uvi.edu.

Workforce Training

The University of the Virgin Islands is dedicated to the development of a highly skilled workforce by providing courses and programs that are linked to the training needs of existing and emerging business sectors. These programs are designed to upgrade the workforce or prepare individuals for a career change. Courses are offered to individuals who wish to become more skilled while being employed, including professional certification preparation and testing. Courses are also offered to businesses and industries in the public and private sectors. Programs may be offered on campus or at the business location, and they can be tailored to meet individual business needs.

Personal Enrichment

UVI offers personal enrichment opportunities designed to enhance the quality of life or to improve individual competencies. Courses, workshops, seminars, special programs and other enriching educational experiences are provided to meet the community's needs and interests. Programs are scheduled at various times and locations to best suit the needs of the participant.



Administration, Research and Public Service

OFFICE OF THE PRESIDENT

The Office of the President is the lead component for executive management of the institution. It is comprised of the office of the Liaison to the Board of Trustees and the President's administrative and managerial staff. The President's Cabinet is comprised of the Provost, the Vice Presidents for Administration and Finance and Institutional Advancement, two Chancellors--one each for St. Thomas and St. Croix, the Chief Information Officer for Information Technology, the Vice Provost for Research and Public Service, and the Executive Assistant to the President for Administration. This body meets bi-monthly to discuss and decide policies and develop strategies for the achievement of institutional priorities.

OFFICE OF THE PROVOST

The Provost is the chief academic officer, the second line officer, the policy staff officer and reports to the President. The Provost is responsible for all matters relating to academic divisions, academic programs, academic policy development, implementation and review, academic and student support services, enrollment management, research policy development, and research and public service. The units that report to the Provost are the Office of the Vice Provost for Research and Public Service, the Office of Institutional Research and Planning, the Office of Enrollment Management, the Office of Academic Administration, the Office of Graduate Studies, the Office of Community and Personal Development, Libraries, the Office of Federal and Corporate Grants, and the Title III Office.

Research and Public Service

The University of the Virgin Islands addresses two of the major elements of its Mission, Research and Public Service, through the strategic efforts of the units in the Research and Public Service Component. Collectively, the Agricultural Experiment Station (AES), the Center for Marine and Environmental Studies (CMES), the Cooperative Extension Service (CES), the Eastern Caribbean Center (ECC), the Research Publications Unit (*The Caribbean Writer*), the Small Business Development Center (SBDC), and the Water Resources Research Institute (WRRI) are principally responsible for defining and solving problems through research and providing quality services that address needs identified by the community.

Agricultural Experiment Station (AES)

The Agricultural Experiment Station is one of the two units that carry out the Land-Grant functions of the University. AES, which is located on St. Croix,

Administration, Research and Public Service

conducts basic and applied research to meet the needs of local and regional Caribbean, as well as international, agricultural communities. These needs are in the areas of increasing production, improving efficiency of tropical plants and livestock, developing new enterprises, preserving and propagating endangered plant species, and protecting the natural resource base. The Station scientists are actively involved in projects in agronomy, animal science, aquaculture, biotechnology, agroforestry, and horticulture. Results of research projects are disseminated in scientific journals, research bulletins, fact sheets, farmers' bulletins, seminars and workshops.

Center for Marine and Environmental Studies (CMES)

The Center for Marine and Environmental Studies addresses environmental problems unique to tropical island communities and advances knowledge and learning in coastal marine systems through research, education and outreach programs. Based in the McLean Marine Science Center on St. Thomas, CMES collaborates with local organizations, other universities and governmental agencies to assess and monitor marine ecosystems and identify methods of conserving fisheries and marine and coastal areas that provide support for sustainable natural resource management. The Virgin Islands Marine Advisory Service (VIMAS), a part of the national Sea Grant Program, collaborates with public and private sector institutions to disseminate information on St. Thomas, St. Croix and St. John. The Virgin Islands Environmental Resource Station (VIERS), located on St. John and managed by Clean Islands International, provides unique learning opportunities through environmental education and research programs and activities. CMES provides opportunities for UVI students to gain research experience by participating in a variety of projects including coral reef monitoring and mangrove habitat restoration.

Cooperative Extension Service (CES)

The Cooperative Extension Service is the second unit that carries out Land-Grant functions. Through the federal network of the Land-Grant University System, the Cooperative Extension Service is empowered as an agency for public education and information dissemination. The function-sharing research-based information to help improve the quality of lives gives CES a primary role in UVI's outreach activities and provides a vital link between the Virgin Islands community and the university.

Furthermore, CES is an educational outreach unit whose mission is to aid in developing Virgin Islanders and their resources. CES serves to guide children, youth and adults throughout the Virgin Islands and wider Caribbean in coping with the challenges of everyday living. Our current programs focus on topics of parenting, child care, adult sitter, money management, clothing construction, 4-H and youth development, Children, Youth and Families at Risk (CYFAR), Mini-Society®, nutrition and food safety, water quality, environmental education, farm safety, sustainable agriculture and pesticide safety education.

Administration, Research and Public Service

Eastern Caribbean Center (ECC)

The Eastern Caribbean Center is an outreach division that anticipates the social, economic and environmental needs of the Virgin Islands and the region, and conducts research programs to address those needs. It also facilitates collaboration in research among local, national and regional institutions and organizations toward fulfilling the mission of the University and improving the quality of life for people within these areas. The ECC social research unit compiles and analyzes social and economic data, and also supports and extends the work of the U.S. Bureau of the Census. The survey research unit designs and carries out scientific sample household and telephone surveys. The Conservation Data Center (CDC) systematically compiles, analyzes and disseminates natural resource data to make it readily accessible to government and non-governmental organizations in making conservation and development decisions. The CDC also identifies and evaluates threats to natural areas and makes recommendations for addressing these threats through the utilization of the largest geographic information system in the Territory that is dedicated to natural resource management. ECC also publishes *Caribbean Perspectives*, a cutting-edge annual magazine that speaks to the leadership throughout the Caribbean.

Research Publications Unit

The primary publication of the Research Publications Unit is *The Caribbean Writer*. *The Caribbean Writer* is an international literary anthology with a Caribbean focus, published by UVI. The anthology premiered in 1987 to provide an outlet for writers in the Caribbean and to encourage new writing. The editorial board consists of UVI humanities division faculty, and the advisory editorial board is a distinguished group of established Caribbean writers. The website, TheCaribbeanWriter.com, has become a global resource for Caribbean literature.

Small Business Development Center (SBDC)

The UVI Small Business Development Center provides small business owners and aspiring entrepreneurs practical assistance to grow and prosper in a contemporary economy. As an advocate for small businesses, UVI-SBDC delivers counseling services, training, and technical support to the business community of the Virgin Islands. Since its establishment in 1985, UVI-SBDC has played a vital role in the development of local businesses and the reduction of failure among existing ones. It is part of a close network of public and private business organizations committed to fostering the economic stability and growth of small businesses in the territory. Members include the U.S. Small Business Administration, the V. I. Government Development Bank and the local Chambers of Commerce.

Water Resources Research Institute (WRI)

The Water Resources Research Institute conducts research throughout the U.S. Virgin Islands. Its meteorological observatory, which provides real time weather data that can be accessed through the internet and a water quality

Administration, Research and Public Service

laboratory on the St. Thomas Campus serve as resources for the Virgin Islands community. Current WRRRI research includes investigating ways to reduce non-point source pollution to the critical nearshore marine environment of the islands. This includes identifying methods of erosion control, development of methods for coastal water quality assessments and finding innovative ways to treat domestic wastewater as alternatives to traditional septic tank systems. Other WRRRI activities include dissemination of information promoting conservation of the islands' water resources and providing environmental research training experiences for students and others.

Office of Institutional Research and Planning

The Office of Institutional Research and Planning (IRP) gathers data on the University and provides information useful for making strategic decisions. IRP produces an annual Institutional Data Summary which contains the latest statistics on enrollment, student and faculty characteristics, University income and expenditures, and related topics. For some topics, historical data are provided to establish trends. Brief reports are sometimes issued on topics of general interest, or in response to special requests of other university units.

IRP keeps abreast of events and trends in the Virgin Islands, the Caribbean region and beyond to note factors which might impact the future of the University. The results are made available to persons planning for the future of the University. IRP provides annual reports to the National Center for Education Statistics and the Commission on Higher Education of the Middle States Association of Colleges and Schools, and participates in surveys conducted by other external agencies. Linkage to other universities is maintained through the Internet and by membership in the Association for Institutional Research and in the Society for College and University Planning.

OFFICE OF THE CHANCELLOR

The Chancellor is the academic and administrative head of the campus responsible for the implementation of institutional policy and the management of day-to-day operations of the campus. The Office of the Chancellor oversees all aspects of campus academic and student life programs and services that affect students. The units that report to the Chancellor include: the Chairs of each academic division; the Associate Chancellor responsible for Student Affairs (counseling & placement, student housing & residence life, food services, student activities and health services); the Director of Business Services and Facilities who has oversight for campus security, physical plant, the bookstore and business operations; and the Upward Bound Program. Descriptions of the academic programs and other services under the auspices of the Office of the Chancellor are detailed within this catalog.

Academic Divisions

The University's degree programs are offered through six academic divisions: Business Administration, Education, Humanities, Nursing, Science and Mathematics, and Social Sciences. Each division is headed by a Division Chairperson who reports directly to the Chancellor. The University allows for student input through student representation at divisional meetings.



Admissions

Admissions Policies

The University of the Virgin Islands is a four-year, liberal arts, coeducational, multi-cultural institution that welcomes applicants, without regard to race, color or creed, to participate in a sound educational experience.

To be matriculated at the University of the Virgin Islands, a candidate must have graduated from high school or have achieved the equivalent of high school graduation.

A candidate for admission from the United States Virgin Islands, the United States or the Commonwealth of Puerto Rico must have achieved at least a "C" average (2.00 on a 4.00 scale) by the end of the junior year of high school and be maintaining at least a "C" average during the senior year. In general, the basic requirement for admission is four years of high school English, three years of mathematics, three years of science, two years of history, foreign language and physical education. One year of a foreign language is preferred. Individual programs may have additional admissions requirements; applicants should consult the section of the catalog describing the programs for those requirements.

Applicants who are home schooled are welcome to apply for admission to the University of the Virgin Islands. The Admissions Office requires evidence of successful academic preparation, completion and proficiency in the following areas:

- four years of English
- three years of mathematics
- two years of history
- three years of science
- two years of a foreign language

The University recognizes home-schooled students whose programs are certified and approved by their state, as required. Home-school programs may also be recognized by national accrediting bodies, such as the American Council on Education (ACE), the U.S. Department of Education or the Council on Recognition of Post-secondary Accreditation (CORPA). All freshman applicants must submit transcripts and SAT or ACT scores. The General Education Equivalency Diploma (GED) may also be submitted to verify secondary school experience. Students are expected to submit credentials, transcripts or their equivalent to demonstrate their ability to achieve successful academic progress.

The University also recognizes nontraditional education experiences, including distance education, online courses and alternative schooling programs approved by national or international recognized certifying entities. Such en-

tities include ACE, CORPA, U.S. Dept. of Education, or institutions officially recognized within their national systems. Credentials, official transcripts or their equivalent must be provided as evidence of successful completion and academic preparation. Students may be asked to submit additional information, including syllabi, recommendations and course descriptions, especially if seeking transfer credit.

Applicants who do not meet the University's admission requirements may be enrolled as non-matriculated students. These students may subsequently apply for matriculated status after earning a minimum of 18 credits in degree courses with a cumulative grade point average of at least 2.00 on a 4.00 scale at the University of the Virgin Islands. These credits must include the general education requirements in English and the general education mathematics and science credits required by the degree they intend to pursue.

Applicants from other countries should consult the section on International Student Admission below. In general it should be assumed that the University will expect, in addition to facility in English, the same preparation that would be required of students entering from the United States.

Students who have not completed secondary school may demonstrate equivalency by presenting passing scores on the General Education High School Proficiency Test (GED). Information on the GED is generally available from the Virgin Islands Department of Education and from education departments in the United States.

Students with disabilities who have special needs should contact the Counseling and Placement Office upon submission of the Enrollment Confirmation and Deposit fee, at least one month prior to Orientation.

How to Apply

- 1. Request application forms** from the Admissions Office, University of the Virgin Islands, #2 John Brewer's Bay, St. Thomas, U.S. Virgin Islands 00802-9990, or Office of Academic Services, University of the Virgin Islands, RR02, Box 10,000, Kingshill, St Croix, U.S. Virgin Islands 00850. Applications are also accessible via the UVI homepage at <http://www.uvi.edu>.
- 2. Students should submit completed application packages** by the stated deadline, to include: SAT or ACT scores, the application, the \$20.00 application fee, and official high school and/or college transcripts.
- 3. Return to the Admissions Office** the forms which the candidate is asked to complete.
- 4. Arrange through the guidance counselor** to take either the Scholastic Aptitude Test (SAT) of the College Entrance Examination Board or the American College Test (ACT) of the American College Testing Program. All candidates for admission as freshmen must take either of these tests. Prospec-

Admissions

tive candidates are encouraged to take one of the tests for practice and guidance in their junior year in high school and to repeat it in their senior year to better reflect the student's ability.

Candidates are responsible for applying to take the College Board or ACT test and for having their scores sent to the University by the Admissions deadline. The College Board identification code for the University of the Virgin Islands is 0879; the ACT number is 5288. Foreign students should check with their local Ministry of Education to determine dates and times for the SAT tests, or write to: College Board ATP, P.O. Box 6200, Princeton, NJ 08541-6200.

5. Read section on matriculated part-time students if interested in enrolling in that category.

When to Apply

New students—both freshmen and transfers— should apply for admission by April 30 for fall semester classes and by October 30 for the spring semester. Note that the application form and all supporting documents **MUST** be submitted by the published deadline in order for an application to be considered complete.

Application Fee

All students are required to pay a non-refundable \$20.00 application fee. The application fee of \$20.00 must be submitted in U.S. dollars by certified check or money order. Students are urged to apply well in advance of stated deadlines. Officially authenticated copies of secondary credentials are to be submitted with the application for admission.

Enrollment Confirmation and Deposit

Following a favorable decision on an application, the applicant will be notified to confirm his or her intent to enroll by making a non-refundable enrollment deposit of \$100.00 towards the tuition costs for the upcoming semester. If the applicant registers as expected, the deposit will be credited to the tuition charge for that semester. Should the applicant decide not to register, however, the deposit will be forfeited and cannot be used to offset any other charges the applicant may have incurred. The \$100.00 enrollment deposit is mandatory and should be submitted by June 15 for the Fall semester and by December 1 for the Spring semester.

Applicants are encouraged to make their decision as early after notification as possible so that they and the University can make plans for their enrollment and first-semester program.

International Student Admission

- 1. For applicants from British-oriented systems**, officially certified copies of General Certificate of Education (GCE) examinations or Caribbean Examination Council (CXC) examinations should be submitted directly to the Office of Admissions. Passes in five 'O' level GCE or CXC General Passes (Grades I and II), or a combination of both, including English language, are acceptable for admission. CXC General passes (Grade III) will also be accepted if based on the six-point grading scale. The British Virgin Islands Grade I certificate is required for applicants from the BVI High School.
- 2. Applicants whose native language is not English** must submit the Test of English as a Foreign Language (TOEFL) test results. For information, write directly to TOEFL, Educational Testing Service, Box 899, Princeton, NJ 08540 USA.
- 3. Applicants must demonstrate the ability to pay** for at least the first year of study. No scholarship or financial aid is available at this time for entering students from other countries. The I-20 Immigration Form will not be issued until the applicant has been accepted by the Admissions Office and has submitted a Certification of Finances form indicating how fees will be paid while attending the University of the Virgin Islands.

Regulations of the U.S. Department of Justice, Immigration and Naturalization Service governing non-immigrant "F-1" students require that all persons in this category pursue a full-time course of study. This means that undergraduates must register for a minimum of 12 credits per semester and graduate students a minimum of 9 credits per semester.

- 4. All supporting documents**, including the Certificate of Finance form, letters from financial institutions, letters to verify room, board and living arrangements, etc. must be submitted by the application deadline.
- 5. Applicants with "A" level certificates** should see the section on "Transfer Admission."

Early Admissions Program

The Early Admissions Program was established to encourage superior and mature high school students to attend the University either on a full-time or part-time basis upon completion of the eleventh grade. Eligibility for entry into the program is based on the following criteria: 1) successful completion of the tenth and eleventh grades in a U.S. Virgin Islands high school; 2) minimum academic average of 3.00 on a 4.00 scale, based on grades received in grades 9, 10 and 11 (first semester); 3) students must also submit SAT scores in order to facilitate placement. A minimum of 490-Math and 500-Verbal is required. Candidates must be recommended from their respective schools.

Admissions

Four-year renewable scholarships may be available to resident students. In order to remain eligible for a scholarship a student must maintain a cumulative grade point average of 3.0 earning no grade less than “C” on a 4.0 scale, except for the first semester. Depending upon the availability of funding, the scholarship may include tuition, room, board, fees and a book stipend. Inquiries concerning the program may be addressed to the Admissions Office on the St. Thomas campus and to the Academic Services Office on the St. Croix campus.

Transfer Admission

A candidate for admission by transfer from another university or college must submit all information required by a regular applicant. In addition, the director of student affairs of the institution from which the student is transferring will be requested to submit a confidential report on the student’s conduct. To be admitted as a transfer student, the candidate must have completed at least 12 semester credits and achieved at least a 2.00 cumulative grade point average, on a 4.00 scale, at the college(s) attended. Applicants who do not meet the cumulative average requirement may be enrolled as non-matriculated students. These students may subsequently apply for matriculated status after earning a minimum of 18 credits in degree courses with a cumulative grade point average of at least 2.00 on a 4.00 scale at the University of the Virgin Islands. These credits must include the general education requirements in English and the general education mathematics and science credits required by the degree they intend to pursue. Students with less than 12 semester college credits must submit all high school and college transcripts. Students who transfer fewer than 24 credits must complete required Freshman Year courses. Those transfer students who will be required to take placement exams will be so informed. Students will be notified when to appear for testing.

Students seeking admission with advanced standing must have official transcripts of all the previous college or university work mailed directly to the Admission’s Office, University of the Virgin Islands, from the college or university previously attended.

Students from a British-patterned school system, who receive “pass” or above in the G.C.E. Advanced (“A”) Level Examinations, may receive credit toward advance standing. A certified copy of the “A” level certificate bearing the official stamp of the high school attended or the signature of the principal must be submitted in order to receive credit.

Transfer of Academic Credits to the University

1. **Transfer credits** will be accepted only for matriculated students.
2. **No grade lower than “C”** may be accepted.
3. **Full credit may be assigned** for degree courses taken at institutions accred-

ited by institutional accrediting groups recognized by the Council on Recognition of Postsecondary Accreditation (CORPA).

4. **Full credit may be assigned** for degree courses taken at institutions not accredited by accrediting groups recognized by CORPA, after the matriculated student has completed his or her first semester at the University with a grade point average of 2.00 or better in the University of the Virgin Islands course work.
5. **The minimum cumulative grade point average** of a transferring student shall be 2.00.
6. **Transfer students must meet the general education requirements** and the major requirements of University programs. The general education equivalencies will be shown on the evaluation form approved by the Director of Admissions. The applicability of any transferred major courses or electives to the major requirements must be approved by the Division Chair.
7. **Thirty of the last 36 credits** toward a degree must be earned at the University of the Virgin Islands. This requirement may be waived by the campus Chancellor only in cases where the student must complete the final year(s) of studies at another institution recognized by the University of the Virgin Islands.
8. **Courses completed within the preceding ten years** may be accepted in transfer. Course work more than ten years old must be reviewed on a case-by-case basis to determine its appropriateness to the current University course requirements. Appeals should be directed to the campus Chancellor.
9. **Credits earned** by successful completion of certain CLEP, ACT and National League for Nursing examinations are generally accepted. Courses for which credit by examination is accepted are listed elsewhere in this catalog.
10. **Credits from foreign institutions** are accepted on a case-by-case basis. The student may be required to have courses evaluated by an agency acceptable to the University.
11. **Appeal from any decision** concerning the above policies shall be made to the campus Chancellor.
12. **The Director of Admissions** shall act as reporting officer for the publication *Transfer Credit Practices of Selected Educational Institutions*.

Readmission to the University

Matriculated students (admitted students who enrolled and began attendance at the University) who are not in attendance during two or more consecutive

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semesters (excluding summer session) must apply to be readmitted to the University. Submit the application for readmission, and a \$15.00 readmission fee, to the Admissions Office, along with official final transcripts from any institutions attended since previous enrollment at UVI. Readmission forms are filed by October 30 for the spring semester; by April 30 for the fall semester. A minimum 2.0 cumulative grade point average is required in order to be readmitted and enroll full time. Students who have a grade point average below 2.0 may attend part time, only.

Senior Citizen Education Program

The Virgin Islands Legislature, by Act No. 5358 has provided that certain senior citizen residents of the U.S. Virgin Islands may enroll in regularly scheduled courses at the University of the Virgin Islands free of charge to the student. Regularly scheduled courses are those that appear in the fall, spring or summer schedule of classes.

Proof of Status: To be eligible for waiver of tuition and fees, a person must meet the following criteria:

- 1. Be at least 60 years of age**, as verified by the senior citizen ID card issued by the V.I. Department of Human Services, and
- 2. Be a resident of the Virgin Islands** for at least one year, as verified by rent receipts, utility bills, data on ID card, or other such proof of residence.

Qualifications for Registration: Students may be enrolled as matriculated students or non-matriculated students. In order to qualify as matriculated students, individuals must apply for admission and must meet the admissions requirements contained in this catalog. Non-matriculated students may take courses for which they meet the prerequisites. Non-matriculated students are limited to part-time study.

Registration Procedures for the Senior Citizen Education Program

- 1. Prospective students will register during the late registration period.** They may enroll in courses for which they qualify that have space open at that time. Priority will be given to those persons enrolled in programs administered by the Department of Human Services.
- 2. All prospective students will present verifying documents** to the Registrar's Office on St. Thomas or the Office of Academic Services on St. Croix. A form will be provided which eligible students will present to the Business Office so that payment may be waived.
- 3. Prospective students will present proof of prerequisites** for courses for which they wish to receive credit. Those who wish to audit need not present such evidence. Auditors attend class regularly, do all work that is not graded, but do not earn grades or credits.

NOTE: As for all students, those making use of this benefit are required to observe the University regulations published in the catalog and other University publications.

Additional Preparation and Testing

Summer Session: Students who need additional preparation in one or more basic skills—English, mathematics, reading—before enrolling as degree candidates may attend the University’s intensive six-week summer session. This session provides the opportunity to enhance essential skills required for further study. Completion of skills courses prior to enrollment in the University prepares students for degree-level work in the freshman year. Students may enroll in up to six credit hours of classes.

Placement: Initial placement in college-level courses is based upon SAT/ACT scores and/or college transcripts.

Guidelines for placement in college level courses:

1. Students who score 490 on the SAT-Math, or 20 ACT-Math, may enroll in college level math classes
2. Students who score 500 on the SAT-Verbal, or 21 ACT-English, may enroll in college-level English.
3. Students who have completed acceptable college courses in English composition and/or mathematics may enroll in appropriate courses on the recommendation of their advisors.
4. Students who have completed an earned associate or higher degree may enroll in college level courses.
5. Students who complete basic level course in math and/or English with a grade of “C” or better.
6. Students who score between 480 and 499 on the SAT-Verbal, or 20-ACT English, and pass a placement test administered by the Humanities Division.

The guidelines for placement in development level courses are the following:

1. Students who do not meet any of the criteria indicated in the guidelines above.
2. Students who do not provide SAT or ACT scores.
3. A Math placement test will be administered to students in the developmental courses. Outcomes may allow for placement into a college level math course for degree credit.

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College Board Advanced Placement Program (AP): Credits will be awarded for matriculated students who have participated in the College Board Advanced Placement Program in high school and have earned scores of three or higher only in the areas listed below. The University of the Virgin Islands courses and requirements waived and credits will be determined by the Admissions Office.

American History	French (Literature)
Art History	German
Biology	Mathematics (Calculus AB)
Chemistry	Mathematics (Calculus BC)
Classics	Music
English	Physics (C)
European History	Spanish
French (Language)	Studio Art*

* *Studio Art credit is received after portfolio evaluation, not examination.*

College Level Examination Program: Students who have acquired sufficient skill and knowledge in an area of study tested by the College Level Examination Program (CLEP) may contact the Division of Enrollment Management on the St. Thomas Campus or the Academic Services Office on the St. Croix campus to arrange for testing. The University of the Virgin Islands is an official limited center for the CLEP examinations. There is a fee of \$44.00 per examination, and a \$10.00 administration charge for CLEP examinations. In general, credit at the University of the Virgin Islands will be awarded for CLEP scores at or above the level recommended by the College Board for the following areas only:

CLEP TEST	COURSE EQUIVALENT	CREDITS
Introductory Accounting	ACC 121-122: Introduction to Accounting	6
General Biology	BIO 141-142	8
Principles of Marketing	BUS 231: Principles of Marketing	3
Principles of Management	BUS 241: Principles of Management	3
Introductory Business Law	BUS 251: Business Law	3
General Chemistry	CHE 151-152: General Chemistry I-II	10
Information Systems and Computer Applications	CIS 210: Business Information Systems	3
Principles of Macro-Economics	ECO 221: Introduction to Macro-Economics	3
Principles of Micro-Economics	ECO 222: Introduction to Micro-Economics	3
Analysis and Interpretation of Literature	ENG 261-262: World Literature I-II	6
English Literature	ENG 321, 322: British Literature	6
American Literature	ENG 361-362: American Literature-Major American Writing	6
French	FRE 131-132-231: Elem. & Intermediate French	9

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CLEP TEST	COURSE EQUIVALENT	CREDITS
American History I: Early Colonization to 1877 and American History II: 1865 to the Present	HIS 320: History of the United States	3
College Algebra	MAT 140: College Algebra with Applications <i>or</i> MAT 143: Pre-Calculus Algebra	4
Trigonometry	MAT 142: College Trigonometry	4
College Algebra and Trigonometry	MAT 143-142: Pre-Calculus Algebra- College Trigonometry	8
Calculus with Elem. Functions	MAT 241-242: Intro to Calculus and Analytical Geometry I-II	8
Introductory Psychology	PSY 120: General Psychology	3
Introductory Sociology	SOC 121: Introduction to Sociology	3
Spanish	SPA 131-132-231: Elem. & Intermediate Spanish	9

All psychology, sociology and English examinations have an additional essay section that is required by the University of the Virgin Islands and must be passed to merit a credit award. Students who take CLEP Spanish and French exams must take a departmental oral as part of the test(s). Students must wait six months before retaking a CLEP examination.

Nursing Advanced Placement

Advanced Placement in the Associate Degree Program in Nursing for Licensed Practical Nurses: Licensed practical nurses may earn seven credits in the associate degree nursing program by examination. A successful challenge requires a decision score of 70 % and the exam may be taken only one time. Study materials are available in the Nursing Division office and will be distributed to interested students. Students must have approval of the Division Chair to sit for the examination. In order to enroll in the next nursing course (Nursing 142) the LPN must have met all the other requirements for entry into the associate degree nursing program.

TEST	COURSE EQUIVALENT	CREDITS
National League for Nursing Nursing Acceleration	NUR 131: Nursing Skill Acquisition	3
Challenge Exam (ACE) I PN-RN	NUR 132: Introduction to the Nurse-Client System	4

For Graduates of Non-NLN Accredited Nursing Programs

Advanced Placement in the Bachelor of Science in Nursing (B.S.N.) Program: Students who are licensed as registered nurses or who possess the equivalent credentials and who are pursuing a B.S.N. degree may challenge the 200 and 300 level courses of the nursing major. The mechanism for challenging the courses is a combination of testing and clinical evaluation. To accomplish the challenge process, the student is assigned a faculty member for structured guidance. Credit for Nursing 208 will be granted to Registered Nurses who

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are accepted into the Advanced Placement Program. Students must enroll in Nursing 121, Concepts of Nursing, prior to commencing the challenge process. The exams may be taken a maximum of two times. A clinical evaluation will be conducted following successful completion of the theory challenge. Students will receive credit for the courses upon satisfactory completion of both theory and clinical evaluation. Science and mathematics prerequisites must be completed before credit is granted. Students must have approval of the Division Chair in order to sit for the examinations. Interested persons should contact the Division Chair. There is an established fee for each of the following tests and evaluations.

TEST	COURSE EQUIVALENT	CREDITS
NLN Normal Nutrition Faculty prepared	NUR 207: Human Nutrition NUR 209: Health Assessment	2 2
NLN Care of the Client during Childbearing	NUR 228: Nursing Roles with the Childbearing Family*	6
NLN Care of the Adult NUR 308	NUR 229: Pharmacology in Nursing <i>and</i> Nursing Roles in Adult Care I <i>and</i>	3 5
NUR 319	Nursing Roles in Adult Care II*	5
NLN Care of the Client with Mental Disorder	NUR 318: Nursing Roles in Mental Health*	5

The above NLN tests are from the NLN Nursing Mobility Profile II.

**One comprehensive clinical evaluation will be conducted following the successful challenge of the theory component of the above listed courses.*

TEST	COURSE EQUIVALENT	CREDITS
NLN Chemistry	CHE 111-112: Principles of Chemistry for the Life Sciences I-II	8
NLN Anatomy and Physiology	BIO 261-262: Human Structure and Function I-II	8
NLN Microbiology	BIO 30L: Microbiology for the Health Sciences	4

Advanced Placement in the Bachelor of Science in Nursing (B.S.N.) Program for graduates of NLN Accredited Nursing Programs: Advanced placement students from Associate Degree programs accredited by the National League for Nursing will be granted a maximum of 35 credits in consideration of nursing courses completed in the course of obtaining an associate degree. Credit for NUR 208, NUR 228, NUR 229, NUR 308, NUR 309, NUR 318 and NUR 319 will be granted with evidence that the student is a registered nurse. All registered nurses seeking the baccalaureate degree must seek advisement from a nursing faculty member to plan their individual programs of study. All students will be required to complete NUR 121, Concepts of Nursing, as the first course in the B.S.N. Advanced Placement Sequence.

Education Advanced Credit

Advanced Credit for Teacher Education Courses: Students will receive advanced credit upon successful completion of the following ACT proficiency examination:

TEST	COURSE EQUIVALENT	CREDITS
Reading Instruction in the Elementary Schools	EDU 353: Teaching the Language Arts	3

The minimum passing score on the history test is C; the minimum passing grade for the reading instruction test is a 50 standard score. Interested persons should contact the Enrollment Management Office on St. Thomas or the Academic Services Office on St. Croix.

Request For Change in Residency Classification For Tuition Purposes

The Office of the Registrar is required to follow specific procedures in making determinations for residency reclassification for students who were classified as non-United States Virgin Islands residents at the time of admission to the University.

(SPECIAL NOTE: Submission of fraudulent documents to obtain residency will result in expulsion from University of the Virgin Islands)

Living or attending school in United States Virgin Islands is not equated to establishing **legal United States Virgin Islands residence**. Students are required to provide **substantial** documentation to support a request for United States Virgin Islands residency status, which shows their **presence in United States Virgin Islands is for purposes other than to attend school**. Please note that such documentation must reflect maintenance of twelve months of continuous residency. No single document will be sufficient to provide conclusive evidence of establishing United States Virgin Islands residence.

All requests will be reviewed to determine compliance with the United States Virgin Islands Statutes and University of the Virgin Islands policies. A student requesting reclassification as a United States Virgin Islands resident for tuition purposes must demonstrate by clear and convincing evidence that his/her domicile is in the United States Virgin Islands, and that his/her presence in the United States Virgin Islands is not primarily for educational purposes. The burden of proof lies with the applicant to establish, beyond a doubt, his or her permanent and fixed legal ties to the United States Virgin Islands and separation of ties to any other state. Judgments concerning residency will be made on the basis of all information provided, including the age and general circumstances of the applicant. An approved change in residency will take effect the next regular (Fall and Spring) semester.

Reclassification Qualification

A United States Virgin Islands “resident for tuition purposes” is a person who (or a dependent person whose parent or legal guardian) has established and maintained legal residence in United States Virgin Islands for **at least twelve months prior to the semester in which there is the intent to register**. Resi-

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dence in the United States Virgin Islands must be as a bona-fide domiciliary, **rather than for the purpose of maintaining a residency merely for enrollment at an institution of higher education.**

To qualify as a United States Virgin Islands resident for tuition purposes, the student must be a citizen of the United States, permanent resident alien, or a legal alien who has been granted indefinite stay by the Immigration and Naturalization Services (INS). Living in or attending school in United States Virgin Islands will not, in itself, establish legal residence. Students who depend on out-of-state parents for their support are presumed to be the legal residents of the same state as their parents. Residence in United States Virgin Islands must be for the purpose of establishing a permanent home and not merely for enrollment at an institution of higher education. For non-resident students who marry a bona-fide resident of the U.S. Virgin Islands, reclassification to residency status for tuition payment purposes will go into effect 12 months after the date of marriage.

Independent Students

A student who provides more than 50% of his or her own support and who is able to substantiate a claim of independence by producing the following documents may be eligible for reclassification. The applicable documents, listed below, may be accepted and considered as evidence of establishing legal residence and permanent ties in United States Virgin Islands. Documents identified below with an asterisk (*) are considered permanent ties and must be dated twelve (12) months **prior to the first day of classes for the term for which residency reclassification is sought.**

1. The most recent Income Tax returns and W2 form; parent's most recent tax returns (if student is under the age of 25); letter stating independent status from the Financial Aid Office (if receiving financial aid and under the age of 24).
2. United States Virgin Islands Voter's Registration*.
3. Declaration of Domicile* - this document is obtained from the Clerk of the Territorial Court of the United States Virgin Islands.
4. United States Virgin Islands Driver's License.
5. Official I.D. card issued by agencies within the United States Virgin Islands.
6. Lease agreement, rent receipts and/or cancelled checks*.
7. Proof of continuous physical presence during periods of nonenrollment*.
8. Full time permanent employment, or part time permanent employment, or acceptance thereof in United States Virgin Islands (an official letter on company stationery and paycheck stubs are required.)
9. United States Virgin Islands vehicle registration and/or Title.
10. Purchase of permanent home: (a) deed; (b) tax receipts; purchase of real property, (e.g. land).
11. United States Virgin Islands Business Incorporation and/or License.
12. Professional or Occupational License obtained in the United States Virgin Islands, (e.g. membership in the USVI Bar Association).
13. Accounts at a local financial institution (Savings and/or Checking), utility

statements (e.g. power, telephone), cable statements. The applicant's name must appear on documents.

14. Proof of marriage to a resident along with proof of the spouse's U.S. Virgin Islands resident status.*

Dependent Students

A student who receives 50% or more of his/her support from another (as defined by IRS) is classified as a dependent student. If the student is dependent upon a parent or legal guardian, who is a United States Virgin Islands resident, the student must present their Birth Certificate and obtain from the parent/legal guardian their most recent tax return, in addition to applicable documentation from the aforementioned list under Independent Students (one must be dated twelve months prior to the first day of classes for the term for which residency is sought). **Students who are dependent on out-of-state parents/legal guardians are generally not eligible for reclassification.** They are considered as legal residents of the same state as their parents/guardians. These students may be granted a change in residency status only under rare circumstances, in which the student's age and general circumstances warrant such change (e.g., married, graduate students, **who have lived in United States Virgin Islands for five (5) years or more**).

Exceptions

Students who do not meet the 12-month legal residency requirement may qualify through one of the following categories:

1. Full time employees of state agencies or political subdivisions of the state when the student fees are paid by the state agency or political subdivision for the purpose of job related law enforcement or corrections training.
2. Active duty members of the armed services stationed in the USVI (and spouse/dependent children), military personnel not stationed in the USVI, but whose home of record or state of legal residence recorded on the certificate DD Form 2058 is United States Virgin Islands. Present copy of parent's DD 2058 form, military orders, and proof of relationship as applicable.
3. Dependent children residing with a legal resident adult relative (other than the parent) **for at least 5 years**.

Requests for residency re-classification are reviewed on a case by case basis. Therefore, immediate responses are not always possible. Additional documents and explanation of documents submitted may be requested. You may include additional documents which may support your request for reclassification of United States Virgin Islands residency status.

Categories of Students

The University of the Virgin Islands divides its students into two categories, matriculated and non-matriculated, according to the students' goals and progress. The academic standards described later in this catalog apply to all students, regardless of category.

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Matriculated Student: A student who has been formally accepted into a degree program of the University and has subsequently registered for courses. A matriculated student must meet the criteria for admission to a degree program and must maintain academic standards as described in the chart specifying minimum cumulative grade point average per credits attempted in the section on Academic Standards.

Non-Matriculated Student: A student who has not been accepted into a degree program but has been permitted to register for courses with the goal of pursuing a limited program of study or of achieving matriculation. A non-matriculated student must meet the standard for matriculation and must apply for matriculation in order to take more than 30 credits at the University.

Full-Time Student: A student carrying at least 12 credits, or the equivalent in non-credit remedial courses, each semester.

Part-Time Student: A student carrying fewer than 12 credits each semester.

Special Student: A non-matriculated student who has been admitted to courses on a full-time basis to undertake a special program of study.

Student Classification by Class: The number of credits required for each class is as follows:

1 - Freshman	0 - 23.5
2 - Sophomore	24 - 59.5
3 - Junior	60 - 89.5
4 - Senior	90 and above



Costs

Tuition, Fees, Room and Board*

Compared to other institutions with similar faculty and facilities, the cost of attending the University of the Virgin Islands as a regular student is very reasonable. Since the institution is substantially supported by funds from the Government of the Virgin Islands, it is the University's intention to bring higher education within the reach of every qualified high school graduate in the Virgin Islands and to encourage promising non-residents to enroll in its programs.

Because no two individuals are alike in their needs and spending habits, no two college budgets are the same. However, if students are realistic about their personal expenses, the following information should enable them to estimate their annual costs quite accurately:

Full Time Tuition and Fees

Per Semester	Resident	Non-Resident
Tuition	\$1,365.00	\$4,095.00
Registration Fee	20.00	20.00
Property Fee	20.00	20.00
Technology Fee	25.00	25.00
Medical Insurance Fee	28.00	28.00
Student Activity Fee	8.00	8.00
Student Association Fee	12.00	12.00
Health Services	15.00	15.00

Room and Board

Per Semester	Double	Single
Room	\$1,000.00	\$1,250.00
Board	\$958 - 1,915.00	\$958 - 1,915.00

Total Room and Board charges per semester

depending on meal plan \$1,958 - \$2,915.00 \$2,208 - \$3,165.00

NOTES:

1. A refundable room damage and key deposit of \$50.00 is required of all students residing on campus.
2. An estimated \$325.00 per semester for books and supplies is not included in the approximate annual cost. Non-residents should include transportation in estimating the total cost.
3. Both room and board charges are required of all students residing on campus.
4. A dormitory room deposit of \$50.00 is required to be paid by all students applying to live on campus in a given semester. This deposit will be applied towards payment of room and board charges. If dormi-

*Subject to change by the Board of Trustees.

Costs

tory reservations are cancelled up to 21 days before the beginning of the semester, the deposit — less an administrative charge of \$5.00 — will be refunded. Dormitory room deposits will not be refundable within the 21-day period preceding the start of the semester.

5. New students pay a \$50.00 non-refundable orientation fee.

6. All non-tuition fees are non-refundable. Likewise, the Nursing Laboratory, Office Systems, Science Laboratory, Practice Teaching, and Computer Fees are non-refundable.

Tuition and Fees for Part-Time and Summer Students

Per Semester	Resident	Non-Resident
Tuition (per credit)	\$91.00	\$273.00
Registration Fee	\$20.00	\$20.00
Property Fee	\$20.00	\$20.00
Technology Fee	\$25.00	\$25.00
Health Services Fee (per visit)	\$15.00	\$15.00

NOTE: Depending upon course registration, additional laboratory fees may be assessed as listed below.

LABORATORY FEES:

Computer Lab Fee	\$20.00
Nursing Laboratory	\$30.00
Office Systems	\$20.00
Science Laboratory/Equipment Fee ___	\$20.00
Practice Teaching Fee	\$30.00

Student Deposits: The damage and key deposit are refundable at the end of the student's academic career at the University of the Virgin Islands providing there has been no loss, library fine or breakage charged against the deposit.

If the deposit is reduced during the time of the student's attendance at the University, the Business Office will request that the deposit be returned to its original amount.

Payment: Students are responsible for paying their bills at the Business Office at any time prior to the published "due date." Registered students' failure to do so will result in their course selections being cancelled. If this occurs, students wishing to register may do so during the late registration period.

A student who owes money to the University, other than on student loans not yet due, will not receive their diploma and a hold will be placed on their record. Transcripts will not be issued for students with outstanding financial obligations.

Late Registration Fee: A \$20 non-refundable fee is assessed for late registration.

Graduation Fee: A non-refundable fee of \$50.00 is charged each candidate for a baccalaureate or associate degree. It is payable at the time of application for graduation. If the requirements for the degree are not completed, the student is re-as-

sessed in the next year he or she becomes a candidate for a degree.

Institutional Refund Policy: The University arranges its services well in advance of each academic year. Consequently, when a student withdraws, the University's cost is not reduced, nor can the student be replaced. For these reasons, the University refunds only a portion of its charges, thereby sharing with the student the loss caused by the withdrawal. The schedule of refunds of tuition is as follows:

During first week of classes	90%
During second week of classes	70%
During third week of classes	50%
During fourth week of classes	25%
After fourth week of classes	none

Students must formally withdraw through the Office of the Registrar on the St. Thomas campus or the Academic Services Office on the St. Croix campus by completing a withdrawal form. The withdrawal date as shown by the Registrar's records will be the date used in the computation of any tuition refunds due to students. Refunds of tuition due to students because of withdrawal from the University will not be paid during the first two weeks following registration. Students who withdraw during this period should leave their names and forwarding addresses with the Business Office. Requests for refunds should be accompanied by the student's registration receipt.

All students residing on the St. Thomas and St. Croix campuses are required to pay for both room and board. Meals are from the snack bar on a cash basis. Should a student residing in a University residence hall move off campus during a semester, the student may be entitled to a room and board refund if he or she adheres to the following procedures: The office of the Associate Chancellor must be notified in writing in advance. Check-out procedures, as established by that office, must be followed. The date of the actual move as shown in Housing Office records will be the date used in the computation of any board and room refund due to a student.

Meal tickets will be issued to students in accordance with the selected meal plan option. The maximum refund of room and board charges is 50% if a student withdraws or housing contract is terminated before mid-term. No refunds for room will be issued after mid-term. Meal tickets are valid only for the semester in which they are issued. Unused meal tickets may not be carried forward from one semester to another.

All refunds due to students for any reason whatsoever will be forfeited unless called for on or before June 30 of the University year in which they are due. Should June 30 fall on a Sunday or on a day when the Business Office is closed, the refund will be made on the next business day.

The appeal process for exceptions to this published policy on refunds is through the Office of the Chancellor for tuition and the Office of the Associate Chancellor for room and board.



Financial Aid

Financial Aid

The primary purpose of the University's financial aid program is to provide financial assistance to its students who, without such aid, would be unable to further their educational goals. The financial assistance offered may not always meet the student's total financial need. It is the student's and family's responsibility to pay the difference between the student's cost of education and available financial aid. This financial assistance may be in the form of scholarships, grants, loans or work-study employment.

Eligibility

U.S. citizens and permanent residents of the United States and the U.S. Virgin Islands are eligible to apply for financial assistance. Applicants must be matriculated students of the University and must be making satisfactory academic progress toward a degree. International students may apply for special foreign scholarships as announced and may apply for University of the Virgin Islands work-study after they have completed a full year at the University.

Financial aid eligibility is determined through the use of the Free Application for Federal Student Aid form (FAFSA). This form is available on both campuses of the University and in local secondary schools. In completing this form, the students are expected to provide information on their own income and assets, family income and assets, and non-taxable income (Social Security benefits, veteran's benefits, etc.). The need analysis formula used in analyzing the information on the aid application measures the ability (not the willingness) of students and their families to contribute toward educational costs. The financial aid application priority deadline is March 1. The Title IV Institution Code numbers of the University of the Virgin Islands are: 006989 for the St. Croix Campus and 003946 for the St. Thomas Campus.

Scholarships: Scholarships are available for incoming high school students and currently enrolled University students. Scholarships are awarded on the basis of demonstrated scholastic ability. The minimum required grade point average is a "B." Scholarship announcements are generally made during the month of March for the upcoming academic year, at which time scholarship applications will be available in the Financial Aid Office and at local high schools.

Veterans/ National Guardsmen: Veterans who attend the University may apply for federal benefits in the Office of the Registrar on the St. Thomas campus and the Office of Academic Services on the St. Croix campus. A program of special tuition allowances for Virgin Islands veterans is administered by the Division of Veterans Affairs, Office of the Governor. A similar program is also available for qualified members of the National Guard.

Exit Interviews: All students who received loans from the University of the Virgin Islands must complete an exit interview prior to graduating, transferring or withdrawing from the University.

Satisfactory Academic Progress Policy For Continued Financial Aid Eligibility

Federal regulations require that all schools participating in any Federal Financial Aid program must adhere to a Satisfactory Academic Progress policy. These are the standards by which students' progress toward the completion of their program of study at the University of the Virgin Islands will be measured to determine continued eligibility for financial aid. These standards are cumulative and include all periods of a student's enrollment, including periods in which the student did not receive financial aid. The records of all financial aid recipients will be reviewed at the end of each academic year to determine compliance with this policy. In order to remain eligible for financial aid, continuing students must meet the University's Satisfactory Academic Progress policy requirements outlined below.

Grade Point Average (GPA) Requirement

Students are expected to achieve a minimum cumulative GPA as outlined in the chart below.

Degree Credits Attempted	Minimum Cumulative Grade Point Average
12 - 29	1.70
30 - 44	1.80
45 and above	2.00

Completion Rate Requirement: Students enrolled full-time are expected to complete a bachelor's degree within 6 years and an associate's degree within 3 years; part-time students are allowed 12 years for a bachelor's degree and 6 years for an associate's degree. All students must successfully complete at least 70% of all degree credits attempted. Students cannot receive financial aid for more than 180 degree credits attempted. Transfer credits are included in determining attempted credit hours. Withdrawals, grades of 'incomplete', 'audits', and courses that are repeated are included in determining a student's Satisfactory Academic Progress status.

Non-Degree Remedial courses: Students cannot receive financial aid for more than 30 credits of non-degree remedial courses.

Probationary & Ineligible Status: All students who fail to meet any of the Satisfactory Academic Progress policy requirements will be placed on financial aid probation. Students continue to be eligible for financial aid while on financial aid probation. Students who fail to meet the minimum Satisfactory Academic Progress policy requirements by the end of their probationary period automatically become ineligible for financial aid.

Financial Aid

Appeal: Students in ineligible status may submit an appeal in writing if the student has extenuating circumstances such as personal or family illness or injury. All appeals must be substantiated by appropriate documentation and submitted to the Financial Aid Office Appeals Committee.

Reinstatement: Students who were placed in ineligible status may be reinstated once all Satisfactory Academic Progress deficiencies have been met. Students' records will be reviewed at the end of each academic year to determine eligibility for reinstatement. Reinstatement will be effective at the beginning of the academic year following the review. It is the students' responsibility to reapply for financial aid to initiate the reinstatement process.

Return of Title IV Aid (Federal Financial Aid)

A 'Return of Federal Financial Aid' calculation must be done for any federal financial aid (excluding Work-Study) recipient who withdraws from all classes during a semester for which payment was received. The amount of the student's unearned federal financial aid must be calculated and returned to the Title IV programs. The formula to determine the amount of federal aid to be returned is mandated by federal guidelines and is available for review in the Financial Aid office. It requires the calculation of the percentages of federal financial aid earned by the student and the calculation of the total amount of unearned federal aid to be returned by the student and/or the University.

The withdrawal date used in the calculation will be the date the student began the withdrawal process. This is the date the student provides official notification of the intent to withdraw. If the student did not begin the withdrawal process or otherwise notify the University of his/her withdrawal, the midpoint of the payment period would be used as the withdrawal date.

Unearned funds returned by the student and/or the University will be credited to federal financial aid programs in the following order:

1. The Unsubsidized Federal Direct Loan Program
2. The Subsidized Federal Direct Loan Program
3. The Federal Perkins Loan Program
4. Federal Direct Plus Loan Program
5. The Federal Pell Grant Program
6. The Federal SEOG program
7. Other Title IV programs



Student Support Services and Programs

Academic and student support services and programs are provided to enhance students' acclimation to the University, foster professional growth and development, augment leadership skills, complement classroom instruction, promote wellness, and facilitate the attainment of students' personal and career goals and aspirations. This is achieved through orientation programs, advisement, the services of the Freshman Center, counseling and placement, student employment, health services, student governance, student activities and residence life programs. Many services and programs are academic in nature while others may be social, cultural, athletic or recreational.

Orientation

All newly matriculated students are required to come to campus a few days before the fall or spring semester begins for program planning, development of their class schedules, and participation in orientation. Some segments of the orientation program are designed to acquaint students with rules and regulations of the University, to explore the campus, and to meet faculty, administrators, and fellow students, while others are designed to enhance students' academic and social adjustment to college life. Attendance at all orientation programs and activities also facilitates the registration process for new students as well as for transfer students.

Advisement

The University, throughout its teaching, advising, and other relationships with students, expresses its concern for students as individuals - not to do for them what they should do for themselves - but to help them assume responsible management of their own affairs.

Because college-age adults must make many decisions of relevance to their future, students at the University of the Virgin Islands are given professional assistance in solving educational, vocational, social, and personal problems. This service starts with the students' applications for admission and continues even beyond the period in which they are enrolled in the University. By the act of admitting students, the University is expressing its considered judgment that students can succeed in one of the programs of the University. During advisement and registration, students and their faculty advisors, with assistance from the counseling staff or Freshman Center staff, may examine their goals and aspirations. Throughout the freshman year, students may explore emerging interests, using the resources of the Counseling and Placement Office and the Freshman Center staff to determine the career choices open to them. Such systematic investigation, together with any summer work or on-campus work-study experiences, should enable students to select satisfying careers in which they can succeed.

Student Support Services and Programs

In the normal course of events, students may face crises of a personal, social or economic nature. In such circumstances, freshmen should seek assistance from the Freshman Center staff, while upperclassmen are encouraged to consult the counseling staff or other appropriate personnel for counseling. It is not uncommon for students to encounter academic difficulties. At these times, students should first consult the instructor of the class in which difficulties are being experienced or their faculty advisor who maintains office hours for these and other purposes. Additionally, assistance in improving study and test-taking skills is provided through enrollment in the Freshman Development Seminar class, by Freshman Center staff, and by Counseling and Placement staff. Tutorial services are also available. In most cases, if students do not delay action, a means of overcoming their academic difficulties can be found.

The essential point for the students to keep in mind is that they should take the initiative in taking full advantage of the Academic and Student Support Services and other advisory resources provided by the University.

The Freshman Center

Freshman centers on both campuses provide peer and professional tutorial services, academic advisement, video-assisted learning, and computer-aided instruction. Students are strongly urged to utilize the Freshman Center to augment their progress in skill development courses, accelerate their proficiency levels in specific areas, and develop computer skills through use of the Freshman Center Computer Lab. The Freshman Center is located on the first floor of the Classroom Administration (CA) building on St. Thomas and on the 700 level of the Evans Center on St. Croix. Consult the Coordinator of Freshman Development for more information on the Freshman Center.

Counseling and Placement Services

Personal, academic and career guidance counseling services are available for full-time and part-time students. As a community service, academic and career advisement are also made available to prospective students on a limited basis.

The Counseling and Placement Office is unique with respect to services offered. Services provided are specifically designed to facilitate the interpersonal, personal, social and cognitive development of the student outside of the classroom.

To assist students with this process, the office sponsors a variety of programs and services including career counseling, on- and off-campus employment, graduate and professional school recruitment and advisement, career fairs, workshops on resume preparation, interviewing skills and job search techniques, credential and file services. There are also workshops on values clarification, interpersonal relationship skills, conflict resolution, and much more.

The Counseling and Placement Office also coordinates the National Student

Student Support Services and Programs

Exchange Program and the Who's Who Among Students in American Universities and Colleges Program. A resource library provides a wealth of information on preparing for graduate study, career choices and other life skills processes.

The counseling and placement office, by federal mandate, is required to maintain a job bank which is used to facilitate employment searches for UVI graduates. For compliance purposes and to aid students in securing post-graduation employment, all prospective graduates must submit an up-to-date resume to the counseling and placement office prior to graduation.

Student Employment Services

Student employment services are available through the Counseling and Placement Office on both campuses. Students seeking off-campus, as well as on-campus employment, should contact the Counseling and Placement Office for further information. U.S. citizens and permanent residents who qualify for federal College Work-Study (CWS) as part of their financial aid package, and would like to work on-campus, should report to the Counseling and Placement Office. Student employment coordinators will assign work-study placements as soon as possible in the beginning of the first semester of student eligibility. To promote community service, some CWS placements are off-campus, usually in an educational setting or non-profit agency. To qualify for CWS, students must be enrolled full-time and meet the March 1 deadline date for submission of the Free Application for Federal Student Aid (FAFSA). U.S. citizens, permanent residents, and international students on F-1 Visas, who do not qualify for CWS, may apply for on-campus employment through the Institutional Work-Study (IWS) program. Application under IWS, however, does not guarantee employment as placement is based on the availability of funds. International students on F-1 Visas are eligible to apply for IWS after the completion of one year of full-time study at the University. Many departments of the University also hire students for on-campus employment. Student employment programs allow students to work, on average, between 12-15 hours per week.

Health Services and Insurance

The University Health Center provides first-aid, health counseling and instruction, referrals to other community health facilities, and health education in the form of mini-courses, seminars, dissemination of literature and informal individual or group discussions. The campus nurse maintains regular office hours and is on call in case of emergencies. A licensed physician is available at the Health Center at regular intervals. Emergency care that cannot be handled on campus is referred to the local hospitals. All full-time students are required, during registration, to pay health services and medical insurance fees. All on-campus summer residents are also required to pay a health services fee. Insurance claim forms are available from the Health Services Center located in Gordon House on the St. Thomas campus and in the Great House on the St. Croix campus.

Student Support Services and Programs

Drug and Alcohol Prevention/Education Program

The main goal of the Drug and Alcohol Prevention/Education Program (DAPEP) is to develop programs that reach all segments of the University community in order to educate and help prevent drug and alcohol abuse. The DAPEP attempts to create a healthy, drug-free environment in order to enhance learning, professional development, job performance and safety. In carrying out its mission, the DAPEP promotes healthier life-styles for all members of the University community, sponsors on-going drug prevention and education programs, and provides referral services to community agencies for persons in need of further counseling or treatment (see the University's Drug-free Work Place Policy in the Academic Information and Regulations section). The St. Thomas campus' Mentorship Program, which pairs UVI student mentors with elementary school-aged youth, is one of DAPEP's major prevention education programs.

Students with Disabilities

No student will be discriminated against because of disability. Grievance committees in each academic division will include, in their areas of concern, any grievances raised by disabled students that relate to academic programs and practices. Students living with disabilities should report to the Counseling and Placement Office prior to advisement and registration.

In addition to providing personal, career and academic counseling services, the counselors also facilitate the coordination of services with other departments of the University in order to meet students' special needs. These may include, but not be limited to, facilitation of testing and registration processes, scheduling of back-to-back classes, scheduling of classes within the same building and other services as needed. Long-range academic program planning is essential in order for counseling staff to communicate course needs with the Academic Divisions and personnel in charge of developing the schedule of classes. It is also recommended that students familiarize themselves with the services of the Virgin Islands University Center for Excellence in Developmental Disabilities (VIUCEDD), which exclusively serves students and families of students with disabilities.

Student Activities and Convocations

The office of Student Activities assumes major responsibility for the implementation of social, recreational, cultural enrichment, and student leadership development programs as well as other extracurricular activities. It also serves as a facilitator for the development of clubs and organizations in response to student needs and interests. Convocations are scheduled each semester for the entire University community to provide cultural and intellectual enrichment; members of the faculty and staff, students, and outside speakers assume leadership in stimulating thought and discussion. Because the Univer-

Student Support Services and Programs

sity functions as a cultural center, many activities, lectures, musical performances and theatrical performances are open to the public as a means of drawing together the University community and the larger community. UVision, a student newspaper produced by Journalism and Mass Communication majors, welcomes contributions from all students on both campuses.

Student Government Association

The Office of Student Activities, works closely with the Student Government Association and student leaders in planning their own programs and activities. All full-time students belong to SGA, which provides a channel for the expression of student opinion and representation of student concerns and interests. Part-time matriculated students who wish to become members of the SGA may do so by paying the student association and activities fees.

Varsity, Intramural and Club Sports

The University maintains an active varsity, intramural and club sports program that emphasizes student development and leadership through sports competition, physical fitness and the development of recreational skills which can be enjoyed after leaving the University. Intramural games are held between various components of the University community, including students, faculty, staff and alumni. Club teams compete in local amateur leagues and varsity teams participate in leagues and invitational tournaments with teams from other universities in the Eastern Caribbean, Puerto Rico, Central America and, occasionally, the U.S. mainland. Consequently, there is a diverse program of outdoor activities and individual and team sports at the University. Varsity teams compete in basketball, track and field, tennis and volleyball. Both campuses offer outdoor athletic and recreational facilities including volleyball/basketball courts, tennis courts, and grounds for track and field, softball, baseball, and soccer. With the sea at the edge of the campus, the St. Thomas Campus provides an ideal setting for water sports and also offers a golf course for physical education classes and golf enthusiasts. The University is a member of the Caribbean Universities Sports Association (CUSA), La Organizacion Deportiva Inter-Universitaria (ODI) de Puerto Rico, the Organizacion Deportiva Universitaria Centroamericana y del Caribe (ODUCC), and is a corresponding member of the National Collegiate Athletic Association (NCAA).

Student Housing

Residence hall living promotes the interaction of students from various places, ethnic backgrounds, and cultures. While most students living on campus come from the U.S. Virgin Islands, British Virgin Islands, the Eastern Caribbean and the continental United States, students from as far away as Africa, Asia and Europe have lived on campus. In addition to the benefits of experiencing cultural diversity and cross-cultural exchange, campus residents find academic resources and student support programs and services, including tutoring, the

Student Support Services and Programs

library, the Freshman Center, computer labs, counseling and many others readily accessible. Resident Assistants offer a variety of residence life programs designed to provide a comprehensive living-learning environment. Only full-time students are eligible to live on campus. To maintain eligibility to reside on campus, students must comply with all rules and regulations of the University, adhere to the Student Housing Contract, and maintain full-time status (12 or more credits) at all times.

The St. Croix Campus

The Residence Hall Complex on the St. Croix Campus is comprised of 17 three-bedroom suites; on-campus living quarters for housing supervisor; a reception area; lounge; the Office of Student Housing & Residence Life; seminar / study rooms; and laundry facilities. The Student Center, adjacent to the residence hall, houses a cafeteria / auditorium, snack bar, the Office of Student Activities, a Student Activities Lounge, student mailroom and the campus bookstore.

The St. Thomas Campus

Student Housing on the St. Thomas Campus is comprised of four residence halls with a capacity of approximately 230 students. Residence Halls South and East provide double occupancy bedrooms for females. East Hall also provides double occupancy bedrooms for males; North Residence Hall for males and Middle Residence Hall for females provide single bedroom occupancy.

Housing Procedures

- 1. Each student desiring on-campus housing** is required to submit an Application for Student Housing and a signed Student Housing Contract by the deadline date listed below. The Application for Student Housing must be accompanied by a \$50 room deposit (certified check or money order) made payable to the University of the Virgin Islands. The application and payment (no cash) must be submitted to the Student Housing Office. New students should not submit an Application for Student Housing until they have received an acceptance letter from the Admissions Office. New students who do not register for the academic year in which they were admitted should not assume that original acceptance into the University meets the Housing Office's requirements for placement or that a room assignment is carried over into the next semester or the next year. Newly admitted students who do not register within the academic year of admission must formally submit an application for readmission to the University. (See section on Readmission to the University)
- 2. Applicants will be mailed** a room assignment notice or will be notified in writing if space is unavailable. A room assignment will be made only after a student has been officially admitted to the University; has met the dead-

Student Support Services and Programs

line for submission of the Application for Student Housing; has signed the Student Housing Contract; and has paid the \$50 room deposit fee.

- 3. The completed Application for Student Housing and Student Housing contract** for room and board must be received by the Student Housing Office by the dates below:

For fall semester not later than June 1

For spring semester not later than November 15

- 4. The Student Housing Contract is binding** for the academic year (fall and spring semesters) in which students are enrolled. The contract terminates at the end of the spring semester.

- 5. The Student Housing Contract and room assignment notice** may be cancelled and a refund of \$50 (less a \$5 administrative charge) will be made provided the Student Housing Office is informed in writing at least 21 days prior to the opening date of the residence hall. No refund of the deposit will be made for cancellation after this date.

- 6. Students who have applied for housing** but have not been assigned a room, may transfer their \$50 reservation deposit to the next semester by indicating on the housing application their desire to be placed on the waiting list. Students who have not received official confirmation of a room assignment should seek off-campus housing.

- 7. Off-island students who have applied for housing** but have not received a room assignment and have not been able to secure off campus housing accommodations should call the Housing Office before arriving on campus.

- 8. The assigning of special students** who are working on special projects with the University will be determined by availability of space.

- 9. Residence Hall Changes, Room Changes, Length of Stay:** Students assigned to University housing are required to abide by the terms of the Student Housing Contract and the Student Handbook. The Housing Office reserves the right to make residence hall and room changes for the benefit of all. Students assigned on-campus housing may reside on-campus for up to and no more than eight semesters.

- 10. Termination of Student Housing Contract:** For all campus residents who drop to part-time status (less than 12 credits), withdraw, are suspended, dismissed, or otherwise cease studies at the University, the Student Housing Contract will be terminated and they must return keys to the Housing Office and vacate the premises within 24 hours.

- 11. All campus residents, visitors and overnight guests** are required to observe accepted standards of social conduct at all times and to adhere to all rules and regulations governing the residence halls. Policies and procedures for visitors and fees for overnight guests are outlined in the Student Handbook.

Student Support Services and Programs

12. Opening and closing of the Residence Halls: University housing facilities are not available for occupancy prior to the opening dates as posted by the Housing Office. Residence Halls are closed at the conclusion of each semester.

13. Summer Housing: Summer housing is provided for matriculated UVI students who are enrolled for at least 6 credits during the summer session. Applications for housing for the summer session must be filed in the Housing Office by April 15 along with the Student Housing Contract and \$50 room deposit.

Personal Property:

The University cannot be responsible for, and does not insure, student property at any time. If concerned, students should investigate individual or family property insurance which would provide adequate protection.

Off-campus Housing:

The University does not assume the responsibility for placing students in off-campus accommodations. However, the Housing Office keeps a list of available housing for students wishing to seek off-campus accommodations. The University assumes no control over off-campus rates.

Food Services

Students may select one of three Meal Plan Options:

Option 1- \$1,915: Seven (7) day meal plan with three (3) meals per day Monday through Saturday and two (2) meals on Sunday; 20 meals weekly;

Option 2- \$1,340: Seven (7) day meal plan with two meals per day Monday through Sunday, 14 meals weekly;

Option 3- \$958: a Five (5) day meal plan with 2 meals per day Monday through Friday, 10 meals weekly.

Fees are outlined in the Cost section of the catalog.



Academic Information and Regulations

Freshman-Year Program

The freshman-year curriculum offers a comprehensive program of educational experiences to first-year students. Designed to encourage intellectual growth and personal empowerment, students participate in common learning experiences, inter-disciplinary study, and career planning activities while developing skills necessary for academic success. The program incorporates two semesters of full-time study consisting of basic skills and general education courses, academic advisement and academic support services.

Basic Skills Courses

The following basic skills courses are required only of students who demonstrate academic need in reading, writing or mathematics, based upon information from SAT / ACT scores, placement test scores and/or transcript evaluations:

WAC 011/ENG 100	Writing Across the Curriculum*
RCA 021/ENG 101	Reading in the Content Area
MAT 023	Introductory Algebra Concepts and Skills with Applications: Course A
MAT 024	Introductory Algebra Concepts and Skills with Applications: Course B

**Writing Across the Curriculum and Reading in the Content Area should be taken with their linked general education science (SCI 100) and/or social science (SSC 100) courses.*

Recognizing that students may need to enhance basic skills prior to pursuing degree-level work in one or more subjects, the University offers developmental level courses, numbered 011 to 099, which are designed to help students strengthen their preparation for learning at the college level. Credit for such courses cannot be used to meet degree requirements. Placement in preparatory courses is dependent upon SAT / ACT performance, or by class examination. Full-time students' work in preparatory courses may be completed in less than one semester. A grade of "P" must be received in preparatory courses, indicating readiness for college level work. Students registered for these courses may not withdraw during the semester without permission from Freshman Center Coordinator. Developmental courses are normally offered and may be taken during the summer session.

1. Full-time students are allowed a maximum of three semesters plus one summer from the date of entrance to complete all basic skills requirements
2. Failure to earn a passing score for each basic skills course within this time frame will result in the student being placed on part-time status.
3. A student may petition the Chancellor for an exception to this regulation.

Academic Information and Regulations

The student placed on part-time status due to failure to complete basic skills requirements within the allowed time may reapply for full-time status.

4. Full-time status can be reinstated if the student has maintained a minimum cumulative grade point average of 2.00 ("C") for all courses taken at the University, and has successfully completed the skills courses.

General Education Courses

All freshman-year courses must be completed by the time a student has amassed 24 credit hours at UVI. The three general education courses required by all students matriculating at UVI with fewer than 24 degree-credit hours are:

FDS 100.	Freshman Development Seminar
SCI 100.	The Natural World: The Caribbean
SSC 100.	An Introduction to the Social Sciences: A Caribbean Focus

Academic Advisement: Students are encouraged to establish a major of interest upon matriculation. Matriculated students are assigned a faculty advisor in their respective division of interest. Faculty advisors will recommend courses as needed in fulfillment of general education and degree requirements. Students should meet with their advisors regularly.

Academic Support: A program of academic support is provided for all freshman students at UVI. These services are available through the offices of The Freshman Center. Individual tutoring sessions, academic advisement, video-assisted learning, use of The Freshman Center computer lab, support texts and various other services are available free of charge to freshmen.

Prerequisites, Credits, Grades, and Quality Points

Many courses require the fulfillment of prerequisites prior to enrollment. Prerequisites refer to courses, examinations, or other conditions students must meet and receive passing grades before registering for any of the follow up courses. In general, satisfactory completion of a prerequisite means that students receive a grade of at least "D" or "P." However, nursing courses require a minimum of "C." For program planning purposes, students should familiarize themselves with course prerequisites which are listed in the **Course Description** section of this catalog.

When requirements for each course are completed satisfactorily, credit is assigned on the basis of a combination of time spent in class and time spent in study. One unit of credit is usually assigned for 50 minutes class lecture-discussion plus two hours of study, or for three hours of laboratory activity, each week during a university term.

The quality of performance in a course is indicated by a grade given at the close of each term. Grade points are granted on the basis of grades earned. The following grades may be assigned.

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Grade	Standard	Grade Points
A	Superior	4.00
A-	Excellent	3.67
B+	Very High	3.33
B	High	3.00
B-	Good	2.67
C+	Above Average	2.33
C	Average	2.00
C-	Below Average	1.67
D+	Passing	1.33
D	Low passing	1.00
F	Failure	0.00
W	Withdrawn	0.00
WP	Withdrawn passing	0.00
WF	Withdrawn failing	0.00
AW	Administrative Withdrawal	0.00
I	Incomplete	0.00
AUD	Audit	0.00

In the skills courses which carry non-degree credit and are numbered 001 to 099 in this catalog, the following evaluations are given:

P indicates that the student is promoted to a credit course.

NP indicates that the student must continue in the skills course.

A failing grade in a course and/or a course that must be repeated does not count toward graduation. Many colleges do not honor "D" grades for transfer purposes.

Auditors receive no grades, credits or quality points. Auditing a course requires regular attendance in class and completion of all required work except that which is graded. An audit will be entered upon a student's transcript only if these requirements are fulfilled. In the event requirements are not fulfilled, a grade of "W" will be entered. Tuition and fees will be charged at the same rate as for credit.

The deadline for a student to change from regular status to audit and vice-versa coincides with the deadline for student withdrawal from a course without prejudice to grade. A matriculated student may normally audit one course per semester without permission from the Chancellor.

A student planning to withdraw from a course should first refer to the section on Withdrawal. Administrative withdrawals may be approved by the Chancellor for reason of illness or other serious documented circumstances.

The University maintains a transcript record of all courses taken by each student. A grade report is provided to all students at the end of each semester

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and summer session. Copies of the complete transcript may be obtained upon written request to the Registrar's or Academic Services Office and payment of the requisite fee.

Incomplete: Grades of "I" are expected to be used only when, in the opinion of the instructor, there is likelihood that the student can satisfactorily complete the missing work which will substantially influence the final grade. The grade of must be removed by mid-term of the semester following the one in which the grade of I was earned. Failure to remove the grade of I by this time will result in a conversion of the I to an F. The instructor must file a "change of grade request with, the final grade, at the Registrar's Office on the St. Thomas campus or the Academic Services Office on the St. Croix campus.

Change of Grade: Changes of grades other than incomplete are normally allowed for computational errors only and must be approved by the Chancellor. A request to change a grade after official grades have been deposited in the Registrar's or Academic Services Office may be made by an instructor by filing a "Change of Grade" slip with the Chancellor. Requests must be made by mid-term of the semester after the grade was submitted.

Repetition of Courses: Undergraduate students may repeat credit courses for which grades of C-, D+, D, or F were earned. If a student wishes to repeat a grade of C or better, the approval of the appropriate Division Chair is required before the course is repeated. In general, no course may be repeated more than once and no more than four courses may be repeated. Only the highest grade earned will be used in computing the grade point average; all grades will be shown on the transcript. Any exception to this policy requires approval by the Chancellor on the respective campus.

Quality Points: To compute the quality points earned in a course, multiply the number of credits of that course by the grade points earned. To compute the grade point average (GPA) for a semester, divide the total quality points earned that semester by the number of credits attempted that semester. To compute the cumulative grade point average, divide the total quality points earned at UVI by the number of credits attempted at UVI. Twice the number of quality points as registered credits (equivalent to a C grade average) is required for graduation.

Reports on work of less than degree-standard (C) quality are issued to students at mid-term. Final grades are issued at the end of the term. Only final grades are recorded on the student's permanent record.

Banking Credits: Part-time students who do not wish to pursue studies toward a degree may enroll as non-matriculated students. Any credits earned will be "banked" until the students have been formally matriculated. Upon matriculation, any credits earned by the students, which are applicable to their degree program, will be counted.

It is recommended that part-time students who intend eventually to matricu-

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late receive advisement on course selection from the chair and/or faculty of the academic division in which they plan to pursue a degree.

Individuals may be admitted formally as matriculated students to the University's degree programs for part-time study if they meet admission requirements. Non-matriculated students may register for non-degree credit courses, or they may take credit courses to earn a maximum of thirty credits as part-time students before being required to matriculate. For admission procedures, see page 28 of this catalog.

Registration Procedures

All students are required to register on the dates announced.

A student is regularly registered for a course only when in registering, the student has conformed to all applicable University regulations and requirements.

Students not properly registered in a course may not receive credit for the course.

All students registering for courses in any term shall submit their programs of study to their advisors for approval before officially registering in the courses.

All prerequisites to courses listed in the catalog must be met by students prior to registering in those courses. Students must document that they have completed the prerequisites. Questions concerning prerequisites should be addressed to faculty advisors, or the Registrar's Office, or Academic Services Office prior to registration. Substitution of a program course requirement can be made only if approved by the Chancellor. Students seeking such approval must make their request to the Division Chair who will submit a written recommendation to the Chancellor for consideration.

Changes of Registration: In no case may a course be added or a change of section be made after the date indicated in the current semester schedule.

To make any change of registration, the student must complete the Change of Registration form from the Registrar's or Academic Services Office. The deadline for adding a course is posted in the current semester schedule. The deadline for dropping a course without penalty is also listed.

Following the formal registration period, a non-refundable fee of \$10.00 will be charged for each Petition for Change of Registration form unless the course change is necessitated by a change in the University's course offerings, other needs of the University, or a student's performance on placement exams.

Change of Major: Students who wish to change their major must obtain a Change of Major form from the Registrar's or Academic Services Office. The Change of Major form must be signed by the student, faculty advisors, division chairs and the Chancellor.

Withdrawal

Withdrawal from Courses: Students may withdraw from a course without penalty up to about six weeks after the course begins. They must, however, secure a course withdrawal form from the Office of the Registrar on the St. Thomas campus or the Academic Services Office on the St. Croix campus and obtain the signatures of the instructor and advisor. This form, containing the proper signatures, must be returned to the Office of the Registrar on the St. Thomas campus or the Academic Services Office on the St. Croix campus. The students will then receive a grade of W on their permanent record. The last date to receive WP or WF is specified on the academic calendar.

WP means that the student is doing passing work at the time of withdrawal. WF means that the student is doing failing work at the time of withdrawal. A course dropped by any other means will result in the student automatically receiving an “F” for the course.

After mid-semester and in case of unusual circumstances, such as extended illness, the Chancellor may give a student special permission for a late withdrawal. This is designated AW (administrative withdrawal). In situations where an administrative withdrawal from a class is necessary, students are required to apply for the withdrawal when it becomes evident that they cannot complete the course. *Students are required to provide documentary evidence in support of requests for administrative withdrawal. Applications will not be accepted after the last day of instruction within that semester.*

The policy for withdrawing from courses which are given out of the normal academic calendar sequence is as follows:

1. The last day to withdraw from a course will be at the conclusion of 40 percent of the total instructional period, or at the end of three weeks for an eight-week course and two weeks for a six-week course.
2. The last day to withdraw from a course without special permission from the Chancellor will be at the conclusion of 50 percent of the instructional period, or at the end of four weeks for an eight-week course and three weeks for a six-week course.
3. Students who withdraw between the end of the third or fourth weeks for an eight-week course, or between the end of the second and third weeks for a six-week course (or another analogous period for courses of duration other than six or eight weeks) will receive either a WP or WF.
4. Students seeking to withdraw after 50 percent of the instructional period can do so only by means of an administrative withdrawal (AW) which will be governed by the same policy as stated above.

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Withdrawal from the University: A student who withdraws from the University either during the term or between terms must initiate the process with a withdrawal form in the Office of the Registrar on the St. Thomas campus or the Academic Services Office on the St. Croix campus, and the completion of the process outlined thereon. In addition, to protect her/his academic standing, the student must complete specific course withdrawal procedures above. Failure to comply with these requirements may adversely affect the student's grades and academic standing.

A student not attending full-time for two consecutive semesters who desires readmission to full-time status at the University must apply to the Admissions Office for consideration. Application must be received by April 30 for the fall semester and by October 30 for the spring semester, with the appropriate readmission fee.

Re-matriculation

Students who have been awarded one degree from the University and who wish to pursue a second degree must apply for re-matriculation. Such students must complete the catalog degree requirements in effect at the time of re-matriculation. Applications for re-matriculation should be sent to the Admissions Office on the campus the student plans to attend with the accompanying re-matriculation fee.

Transcripts

Official transcripts of academic records at the University of the Virgin Islands are issued only upon the authorization of the student. Requests for transcripts will not be filled until written authorization has been secured from the individual student. When these requests can be anticipated, the student should send authorization in advance, to avoid delay in the issuing of the transcript.

The charge for each copy of a student's transcript is \$5.00. All checks and money orders should be made payable to the University of the Virgin Islands.

Courses Taken at Other Institutions

Matriculated students who expect to take courses at another institution for transfer to the University of the Virgin Islands must obtain a Permit to Attend Another Institution from the Registrar's Office or Academic Services Office. The appropriate division must certify that the course will fulfill the University of the Virgin Islands degree requirements and the permit must be signed by the Registrar or Director of Academic Services before the student enrolls. Students are responsible for ensuring that an official transcript will be sent to the Registrar's Office or Academic Services Office after the completion of the off-campus course work. No credit will be evaluated until an official transcript has been received.

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Privacy Act

The Federal Family Educational Rights and Privacy Act (P.L.93-308) grants students access to the records which the University keeps on their academic career with certain exceptions. It also limits access to all except those who have legitimate educational interests.

Parents or legal guardians have access to students' records only if the students are financially dependent on them, as defined by the Internal Revenue Code of 1954.

The University is required to notify students of their rights under this law, either by letter or by the University's catalog. The University's guidelines for implementing this law and a list of records maintained by various University offices are available in the Registrar's office. For additional information, contact the Registrar.

Academic Standards

The following attitudes are important for success in the academic programs of the University:

- *A willingness to go beyond the minimum required in an assigned task, and dissatisfaction with superficial work.*
- *Intellectual curiosity, integrity and responsibility. In university studies, the students are expected to contribute as well as to receive, to cooperate fully with what is asked of them in courses, and to take an interested and active part. Instructors are expected to make clear the specific demands and procedures of their courses.*
- *A critical spirit that recognizes the relationship among the different fields of knowledge and their relevance to the needs and problems of our time.*

Students are expected to maintain an academic record which will qualify them for graduation. It is the responsibility of the students to complete all assigned work, to strive for the best performance of which they are capable, to meet graduation requirements, and in many other ways to take charge of their own academic welfare. Instructors, faculty advisors, the University counselors, the Registrar and the Associate Chancellor, are available for consultation and assistance, but this in no way diminishes the responsibility of students for familiarizing themselves with the contents of the University Catalog, satisfying the requirements of the degree they are pursuing, and adhering to those rules and regulations which pertain to them.

Most students are able to judge their own progress through periodic grades and reports from instructors. At the end of each semester, the Registrar will review the academic records of all students and forward, to the Chancellors, a

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list of students whose performance did not meet the established standards. The Chancellors also issue an Academic Honors List comprised of students who were registered for at least 12 degree credits, maintained a semester grade point average of 3.20 or higher and earned no grade less than C. Students who have demonstrated excellence also will be appropriately recognized by the faculty (see Awards and Honors)

Credit Load: A full load is considered to be from 12 to 16.5 credits. A load of 15.5 credits ordinarily is sufficient to complete the associate degree in two years and the baccalaureate degree in four. Any student proposing to take more than 16.5 credits must have the approval of the faculty advisor and the Chancellor. In general, overloads are granted only to students with cumulative grade point averages of 3.00 or higher in accordance with the following guidelines for overload approvals.

GPA:	3.00 - 3.49	3.50 - 3.74	3.75 - 4.00
FR	up to 17.0 crs	up to 17.5 crs	up to 18.0 crs
SO	up to 18.0	up to 18.5	up to 19.0
JR	up to 19.0	up to 19.5	up to 20.0
SR	up to 20.0	up to 20.5	up to 21.0

Academic Grievance: There is, in each academic division, a Grievance Committee to which a student has recourse. The committee consists of a faculty member and a student. All grievances must be submitted in writing. The student has the right to appeal from the Grievance Committee, to the Division Chairperson and through him/her, to the Chancellor.

Academic Probation, Suspension, Dismissal: Students are expected to remain in good academic standing. For those who do not, there is a three-step procedure which may lead to dismissal from the University if the student's academic performance does not improve. All full-time and part-time enrolled students are subject to these standards and procedures. Once a student has attempted 12 degree credits, these procedures become applicable.

Academic Probation: Academic probation is essentially a warning to the student to show scholastic improvement in order to remain at the University. A student on probation status is not considered in "good standing" at the University and eligibility to continue under scholarship or other financial aid programs, to participate in extracurricular activities, or to run for certain offices may be affected. A student placed on academic probation will be limited to taking 12.5 hours of course work and will remain on probation until the cumulative GPA equals or exceeds the standards set forth in the chart below.

A student who does not achieve the minimum cumulative grade point average for the corresponding number of degree credits attempted is placed on academic probation. Also, a student is placed on academic probation for failing to achieve a semester grade point average corresponding to the cumula-

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tive grade point average required for degree credits attempted, as set forth in the chart on page 60.

A student placed on academic probation will be limited to taking 12.5 credits. If a student achieves a semester GPA of at least 2.0 but the cumulative GPA remains below the standard, the student will remain on probation.

Degree Credits Attempted	1-29	30-44	45 and above
Minimum Cumulative Grade Point Average	1.70	1.80	2.00

Academic divisions may set higher standards for courses related to their majors.

Academic Suspensions: A student on academic probation will be suspended if, at the end of the probation semester, the cumulative GPA is below the standard in the above chart and the most recent semester's GPA is less than 2.0. Academic suspension means the student must leave the University for the next regular semester, fall or spring. At the end of that semester the student will be automatically reinstated on probation. If the student remains away for more than one regular semester, the student must reapply for admission.

Academic Dismissal: When a suspended student returns, the student must maintain a grade point average of 2.00 for the semester of reinstatement. Failure to do so will result in academic dismissal, which will be permanent unless the student is readmitted under special consideration. A student who contests academic dismissal may appeal to the Senior Vice President and Provost, whose decision will be final.

Student Conduct (Disciplinary Warning, Probation, Suspension and Dismissal): The Student Handbook includes a statement adopted by the Board of Trustees of the University entitled "Rules and Regulations for the Maintenance of Public Order at the University of the Virgin Islands" and a statement entitled "Channels of Communication Available to Students at the University of the Virgin Islands for the Consideration of Problems, Proposals and Grievances."

Disciplinary actions which may be used in response to violations of the University's standards of conduct include: disciplinary warning, disciplinary probation, suspension or disciplinary dismissal. Disciplinary warning is issued when behavior is unacceptable or when repetition will most likely result in more serious action. The student is officially warned that further unacceptable behavior could result in more serious action. Disciplinary probation is a warning that a student's conduct must be improved over a stated period if the student wishes to remain at the University. It means that the student is not considered in "good standing" at the University with resulting restrictions as described for academic probation.

Suspension is a disciplinary action which results in the separation of the student from the University, normally for a stated period of time. Disciplinary dismissal normally means permanent separation from the University and is used only in the most serious cases of misconduct. No student who is sus-

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pended from the University or who is dismissed for disciplinary reasons for student misconduct may register for any courses at the University.

In addition to the above, and with reference to student misconduct as well as failure to maintain academic standards, the University of the Virgin Islands assumes that a student who cannot handle important responsibilities in any part of the University program will consider voluntary withdrawal. Following due process procedure, the University may suspend or dismiss students, at any time, when their academic standing, conduct, financial responsibility, or any combination of these, is not in compliance with standards set forth by the University catalog and the Student Handbook.

It is the responsibility of every new student to obtain a Student Handbook upon admittance to the University. Each student is responsible for compliance with the rules and regulations contained therein. The Student Handbook can be obtained from the Office of the Associate Chancellor on both campuses.

Drug-Free Workplace Policy: It is the policy of the University of the Virgin Islands that the unlawful manufacture, distribution, dispensation, possession or use of a controlled or illegal substance is prohibited in and on the University of the Virgin Islands' owned or controlled property. Additionally, the misuse or abuse of legal drugs, including alcohol, is prohibited. Any University employee or student determined to have violated this policy shall be subject to disciplinary action for misconduct, which action may include termination or expulsion. No employee or student is to report to work or class while under the influence of illegal drugs or influenced by the abuse of legal drugs. Violation of these policies by any employee or student will be reason for evaluation or treatment for a drug use disorder or for disciplinary action up to and including termination or expulsion in accordance with University policies and procedures.

In order to comply with the Federal law, the University requires that an employee or student notify the University of any criminal drug statute conviction for a violation occurring in the workplace or classroom no later than five days after such conviction. The University must notify any Federal contracting agency within ten days of having received notice that an employee or student engaged in the performance of such contract or grant has had a criminal drug statute conviction for a violation occurring in the workplace or classroom. The University will discipline any employee or student who is so convicted or require the employee's or student's satisfactory participation in a drug abuse assistance or rehabilitation program in accordance with University policies and procedures.

Sexual Harassment: Sexual harassment is a form of sex discrimination and is prohibited by Title VII of the Civil Rights Act of 1964, as amended.

University students and employees have the right to enjoy a workplace free from all forms of harassment, including sexual harassment. Accordingly, the University is committed to creating and maintaining a community in which

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students, faculty, and staff can work together in an atmosphere free of all forms of harassment, exploitation or intimidation. The University is strongly opposed to sexual harassment and will take whatever action is necessary to prevent, correct, and, if necessary, discipline behavior that violates this policy.

Sexual harassment includes unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature. Students who believe that they have been sexually harassed in violation of the University's policy should notify the Counseling Manager in Rouppe House on the St. Thomas campus or the Counseling & Placement Supervisor in the Great House on the St. Croix campus.

Academic Integrity: *Philosophy:* Among the purposes of colleges and universities are scholarly and personal growth for all members of the academic community and open communication among members of this community. Such growth requires an atmosphere of honesty and trust. It is for this reason that the University of the Virgin Islands strives to maintain an environment of mutual trust among its students and faculty and will not tolerate academic dishonesty.

Definitions: Academic dishonesty includes, but is not limited to, the following examples of offenses, committed or attempted:

- Collaboration* allowing another student to see an examination paper.
- Copying* obtaining information by looking at the answers on another student's paper or in any source that has not been specifically approved for that purpose by the instructor.
- Cribbing* taking and or using material, which has not been specifically approved, into an examination or using books, notes or other resources during on examination without the instructor's specific approval.
- Plagiarism* presenting the ideas, works, words or artistry of another as one's own without appropriate acknowledgment of the source. Note that this includes sources on the Internet (world wide web, e-mail, etc.)
- Sabotage* destroying the work of another student, such as laboratory experiments or computer programs.
- Substitution* taking an examination or writing a paper for someone else or inducing another person to perform such acts.
- Theft* stealing an examination.

Penalties: For a first offense, the penalty will be an F in a credit course, an NP in a skills course or failure in any non-course exercise such as the En-

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glish Proficiency Examination, CLEP tests, etc., plus disciplinary probation for the remainder of the student's undergraduate career and notification by the Chancellor to all current instructors of the student. For a second offense, the penalty will be suspension from the University for an academic year and notification to the student's instructors by the Chancellor. The penalty for a third offense will be dismissal from the University, with notation of dismissal and notification to the student's instructors by the Chancellor.

Procedures: In cases of suspected academic dishonesty, the faculty member making the charge will meet privately with the student suspected of the action to discuss the charge within 10 days of the detection of the incident. Within five days, the faculty member shall decide if disciplinary action is to be taken and, if so, shall notify the appropriate Division Chair and Chancellor in writing of:

1. *The name of the student.*
2. *The course or activity where the infraction is alleged to have occurred.*
3. *The date and time of the alleged infraction.*
4. *The circumstances of the stated infraction with supportive information.*
5. *The action taken.*

Within 10 days of the meeting with the instructor, the student may appeal, in writing, to the appropriate divisional grievance committee, which will hold a hearing within 10 days of receiving the written appeal. The instructor making the charge of academic dishonesty and the student will be present at the hearing and may be represented by third parties of their own choosing. The committee will send its findings to the student, the faculty member and the Chancellor within 10 days of the hearing.

Within 10 days of being informed of the decision of the divisional grievance committee, the student may appeal the decision to the Academic Appeals Committee on the campus in which the student is enrolled. Each campus committee shall be composed of one member from each academic division elected by the faculties of each division on the respective campus and one student appointed by the President of the Student Government Association. Each member shall have one vote. Each committee shall be reconstituted by the Chancellor of that campus and choose its own chair at the beginning of each academic year. The committee will meet within 15 days of being informed in writing of the appeal. In this administrative hearing, the student and the faculty member involved in the incident shall be present and have the right to be represented by third parties of their own choosing. The committee will inform the student, the faculty member and the Chancellor of its decision within 10 days of the meeting.

The Chancellor shall implement the decision of the Academic Appeals Committee.

English Proficiency Examination Requirement

Students must satisfy the English Proficiency Examination (EPE) requirement before graduating from the University of the Virgin Islands. The successful completion of this requirement applies to all matriculated students in the associate of arts, associate of science, bachelor of arts and bachelor of science programs. It is strongly recommended that students take the EPE as soon as possible after the completion of ENG 201 or its equivalent. If a student may need to take the EPE prior to the completion of ENG 201 or the equivalent, he/she must petition the Chancellor, in writing, and receive written approval prior to the administration of the examination.

Students may meet this requirement in one of two alternate ways. They may opt to either:

- Take and pass the English Proficiency Examination
- or*
- Successfully complete English 051, Functional Writing, a course designed to meet English proficiency goals and objectives

Students who opt to take the examination alternative, and who fail the EPE twice, must register for and pass ENG 051 the semester following the examination.

The English Proficiency Examination is administered on both campuses in November and again in April of each academic year. Specific EPE administration dates are listed in the Academic Calendar.

Computer Literacy Requirement

The University believes that all students must be familiar with computer concepts and the use of computers in order to work effectively in today's high-technology world. Therefore, all students who matriculate for the fall 1994 semester or later must fulfill the Computer Literacy Requirement during the freshman year. Transfer students may complete up to 24 credit hours before fulfilling the Computer Literacy Requirement.

Students to whom this requirement applies and who have completed 24 or more credit hours at UVI and who fail to meet the requirement, will not be allowed to register for additional credit courses until the Computer Literacy Requirement has been fulfilled. Exceptions to this requirement must be approved by the Science and Mathematics Division Chair and the Chancellor .

To fulfill the Computer Literacy Requirement, students must pass the Computer Literacy Examination, which is administered on both the St. Croix and St. Thomas campuses. Students should contact the Science and Math Division to register for the exam. Exam dates are listed under CLE in the Class Schedule for each semester. The student may prepare for the Computer Literacy

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Examinations using self-taught learning modules, which are available in the bookstore and computer laboratories. Students may enroll in CSC 111 or CIS 021 to prepare for the examinations. However, completion of these courses does not fulfill the Computer Literacy Requirement.

Awards and Honors

Superior student achievement is recognized in a number of ways during each academic year. The Academic Honors List recognizes full-time students (carrying 12 or more degree credits) who have earned a grade point average of 3.2 or higher for the previous semester, with no grade lower than C.

The University of the Virgin Islands is a chapter member of Golden Key National Honor Society. Full-time and part-time matriculated students who have earned at least sixty credits at UVI and a minimum cumulative grade point average of 3.3 may be invited to join.

Full-time and part-time students receiving a baccalaureate degree who have earned at least 60 credits at the University are eligible for commencement honors. For the purpose of computing averages for honors, all grades earned, including transfer grades, will be considered. Honors are based on the following cumulative grade point averages: *Cum Laude*, 3.25 to 3.49; *Magna Cum Laude*, 3.50 to 3.74; *Summa Cum Laude*, 3.75 to 4.00.

The academic divisions and the St. Croix campus of the University may award annually a Trustee Graduate Fellowship/Loan which seeks to highlight academic achievement, encourage post-graduate study, honor outstanding students and help increase the number of highly trained University of the Virgin Islands alumni. Each recipient receives \$1,000, with half of that amount to be returned to the University when the student is no longer in graduate school.

To be eligible for the Trustee Graduate Fellowship/Loan, a student must normally be a graduating senior who has been accepted into a graduate school for a master's or doctoral program and who has earned at least 60 credits at the University of the Virgin Islands. Students are eligible to receive the fellowship/loan only in the division which advised them while at the University.

The following criteria will be used in selecting recipients of the Trustee Graduate Fellowship/Loan: cumulative grade point average, potential for scholarly or professional achievement, full-time attendance in a graduate program, financial need and the likelihood of return to the Virgin Islands.

A number of awards are made on both campuses at annual Awards Day ceremonies. Information on these awards is available from the Office of the Chancellor.



General Education Requirements

All students, regardless of their degree program and major field of study, must complete certain general education requirements. These do not include any requisite courses of skills remediation or Freshman Year courses.

The University of the Virgin Islands' General Education curriculum has been reformed and revitalized recently and is subject to continual refinement. The General Education curriculum is being reformed and is subject to change. The General Education curriculum is intended to prepare students for today's competitive world as well as for productive and fulfilling lives and responsible citizenship. Students completing these requirements are expected to have gained the following:

- *Knowledge of the history, geography, and demographic characteristics of the U.S. Virgin Islands, the Caribbean, the United States, and the world.*
- *Knowledge of natural phenomena and of the earth in its place in the universe as well as an appreciation of scientific inquiry.*
- *Highly developed communication skills.*
- *Quantitative and computing skills.*
- *Personal health and wellness skills.*
- *Critical thinking, logic, and moral reasoning skills.*
- *Self-awareness, interpersonal, leadership, and team skills.*
- *Second language skills, multi-cultural and inter-cultural skills, and an understanding of aesthetic expression in literature and art.*
- *Information management and research skills.*

General education requirements vary with degree programs but have the following categories in common:

A. The English Proficiency Examination (EPE) — Please review its entry prerequisites on page ?.

B. The Computer Literacy Examination (CLE) — Please review its entry prerequisites on page ?.

C. General Education Courses. These are specified for each degree program and include courses in:

- Humanities
- Mathematics
- Natural Sciences
- Social Sciences
- Physical Education, Fitness and Wellness.

The University reserves the right to change its course offerings and rules and regulations at any time.



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To qualify for an associate of arts degree, students must successfully complete a minimum of 62 credits (exclusive of physical education) including the general education requirements, the required courses in the major field, and such additional courses as they may select with the assistance of their faculty advisors to meet the requirements of the major.

General Education Requirements

The General Education requirements for graduation in the associate of arts degree programs are listed below. Specific guidance about the courses that are available to meet General Education requirements will be provided to students in advance of registration. Students are required to meet with their advisors in the selection of their courses.

I. GENERAL EDUCATION REQUIREMENTS		Credits
A. FRESHMAN DEVELOPMENT SEMINAR (FDS)*		0-1
B. HUMANITIES		15
SPE 120	Public Speaking	3
ENG 120	English Composition	3
ENG 201	Research and Applied Writing	3
Additional Humanities Electives		6
C. MATHEMATICS AND/OR SCIENCE		8-10
SCI 100*	The Natural World: The Caribbean <i>and</i> Two approved science or math courses	3
D. SOCIAL SCIENCES		6-9
SSC 100*	The Natural World: The Caribbean* <i>and</i> Two other courses in the Social Sciences: Anthropology, Economics, Geography, History, Political Science, Psychology, or Sociology	3
TOTAL CREDITS		29-36

**Requirement of the Freshman Year Program for all students matriculating into the University with fewer than 24 credits.*

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II. SUMMARY	Credits
Freshman Development Seminar	0-1
Humanities	15
Mathematics/Science	8-11
Social Sciences	6-9
TOTAL	29-36

III. OTHER REQUIREMENTS

Students are required to take 0.5 credit hour in Physical Education for every semester they are full-time students up to the required two credit hours. PLS 200 may also be used to meet this requirement.

Also, students must earn at least 30 of the last 36 credits at the University of the Virgin Islands. This particular requirement may be waived by the Chancellor only in cases where the student must complete the final year(s) of studies in another institution recognized by the University of the Virgin Islands. Course work more than ten years old must be reviewed on a case-by-case basis to determine its appropriateness to the current University course requirements. Appeals should be directed to the Chancellor. In order to graduate, students must earn a minimum cumulative grade point average (GPA) of 2.00. This requirement is also applicable to courses required in their major.

Additionally, students must successfully pass the following examinations:

1. ENGLISH PROFICIENCY EXAMINATION (EPE)
2. COMPUTER LITERACY EXAMINATION (CLE)

Degree Majors and Programs – A.A. Degree

Students will ordinarily choose an associate degree program because they want to prepare for employment after only two years of study beyond high school, and because they are attracted to the work for which the program will train them. The programs are designed to prepare graduates for positions as technicians, supervisors, and managers in business, industry, service organizations, and government.

Students may choose one of the following associate of arts degree programs.

BUSINESS ADMINISTRATION DIVISION

Accounting - St. Croix and St. Thomas campus

Business Management - St. Croix and St. Thomas campus

Computer Information Systems - St. Croix and St. Thomas campus

Hotel and Restaurant Management - St. Thomas campus

*Office Systems - St. Croix

*Inactive

SOCIAL SCIENCES DIVISION

Police Science and Administration - St. Croix and St. Thomas campus

Course Requirements

The course requirements for graduation in each of the fields of specialization are outlined in the pages that follow.

It is to the student's advantage to enter one of these programs in the freshman year. It is possible for a student to change from a four-year program to a two-year program, but such a change may delay graduation because of the sequence of basic courses. A student may change from a two-year program to a four-year program but, again, it may then require additional time to complete the new program.

Business Administration Division

Accounting

The associate of arts program in accounting is designed to prepare students for careers in the fields of accounting and financial administration.

In addition to the general education requirements, the following courses are required and should be taken in the indicated year:

FIRST YEAR		Credits
ACC 121-122	Introduction to Accounting	3-3
BUS 112	Introduction to Business	3
CIS 101	Business Software Applications	3
MAT 140	College Algebra with Applications	
or MAT 143*	or Precalculus Algebra	4
<i>and one of the following:</i>		
MAT 232*	Calculus for Business and Social Sciences	
MAT 235*	Introductory Statistics with Applications	4
SECOND YEAR		Credits
ACC 221-222	Intermediate Accounting	3-3
ACC 253	Tax Accounting	3
ACC 440	Cost Accounting	3
BUS 224	Business Communication	3
BUS 251*	Business Law	3
CIS 210	Business Information Systems	3
ECO 221*	Introduction to Macro-Economics	3
ECO 222*	Introduction to Micro-Economics	3

**Partially fulfills the general education requirements*

Associate of Arts Degree

Business Management

The associate of arts degree program in Business Management is designed to prepare the student for a career in management or small business ownership. It will help the student understand how businesses are operated and financed. The functions of marketing, selling, accounting, and advertising are considered. A graduate of this curriculum will be prepared to enter a variety of business positions.

In addition to the general education requirements, the following courses are required and should be taken in the year indicated.

FIRST YEAR		Credits
ACC 121-122	Introduction to Accounting	3-3
BUS 112	Introduction to Business	3
BUS 241	Principles of Management	3
MAT 140 or 143*	College Algebra With Applications or Precalculus Algebra	4
<i>and one of the following:</i>		
MAT 235*	Introduction to Statistics with Applications	
MAT 232*	Calculus for Business and Social Sciences	4
SECOND YEAR		Credits
BUS 213	Small Business Management	3
BUS 224	Business Communication	3
BUS 231	Principles of Marketing	3
BUS 234	Advertising and Promotional Strategy	3
BUS 242	Personnel Management	3
BUS 251*	Business Law	3
CIS 210	Business Information Systems	3
ECO 221*	Introduction to Macro-Economics	3
ECO 222*	Introduction to Micro-Economics	3

**Partially fulfills the general education requirements.*

Computer Information Systems

The associate of arts degree program in Computer Information Systems is designed to 1) train students for professional careers in information systems, 2) prepare students for advanced study, 3) provide opportunities for students in other areas of study which relate to information systems, and 4) meet the computer information systems needs of the University and the community.

In addition to the general education requirements, the following courses are required:

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A. Required courses in Freshman Studies (required for anyone admitted into the program with fewer than 24 credits):

		Credits
SCI 100	The Natural World: The Caribbean	3
SSC 100	An Introduction to the Social Sciences: A Caribbean Focus	3
FDS 100	Freshman Development Seminar	1

B. Required Courses in Computer Information Systems:

		Credits
CIS 101	Business Software Applications	3
CIS 121	Data Management Concepts	3
CIS 210	Business Information Systems	3
CIS 250	Introduction to Operating Systems	3
CIS 270	Computer Systems Development	3
CIS 280	Systems Development Project	3
CIS 300	Process Design and Evaluation	3
CIS 310	Advanced Business Software Applications	3
CIS 357	Business Information Networks	3
<i>or</i>		
CIS 238	Introduction to COBOL Programming	3

C. Required courses in other fields:

		Credits
BUS 112	Introduction to Business	3
BUS 224	Business Communication	3
MAT 140	College Algebra with Applications	
<i>or</i> MAT143*	<i>or</i> Precalculus Algebra	4
<i>and one of the following:</i>		
MAT 232*	Calculus for Business and Social Sciences	
MAT 235*	Introductory Statistics with Applications	4
ECO 222*	Introduction to Micro-Economics	3
BUS 251*	Business Law	3
PSY 120*	General Psychology	3

**Partially fulfills the general education requirements.*

Hotel and Restaurant Management

The associate of arts program in Hotel and Restaurant Management is designed to prepare the graduate for middle management responsibility in large establishments or for greater responsibility in smaller enterprises. Students may elect to obtain internationally recognized certificates awarded by the American Hotel and Motel Association through examination at the completion of selected HRM courses. Graduates will have the basic preparation needed for positions as stewards, purchasing agents, banquet managers, club managers, resort managers, front office managers, resident auditors, and food and beverage managers. It is offered for part-time study only. The program is also designed to

Associate of Arts Degree

serve as an intermediate step towards acquiring a baccalaureate degree. In addition to the general education requirements the following courses are required:

A. Required courses in Freshman Studies (required for anyone admitted into the program with fewer than 24 credits):

		Credits
SCI 100	The Natural World: The Caribbean	3
SSC 100	An Introduction to the Social Sciences: A Caribbean Focus	3
FDS 100	Freshman Development Seminar	1

B. Required courses in Hotel and Restaurant Management: **Credits**

HRM 132	Fundamentals of Tourism	2
HRM 133	Introduction to Resort Hotel Management	2
HRM 134	Introduction to Restaurant Management	2
HRM 232	Hospitality Services Marketing	3
HRM 233	Hospitality Industry Computer Systems	3
HRM 234	Hospitality Industry Accounting	3
HRM 242	Hospitality Industry Personnel Training Systems	3
HRM 250	Internship	3

C. Required courses in other areas: **Credits**

ACC 121-122	Introduction to Accounting	6
BUS 112	Introduction to Business	3
PSY 120*	General Psychology	3

D. The student must choose one of the following concentrations: **Credits**

ROOMS DIVISION MANAGEMENT CONCENTRATION

HRM 243	Front Office Management	3
HRM 244	Housekeeping Management	3

FOOD AND BEVERAGE CONCENTRATION

HRM 245	Food and Beverage Cost Control	3
HRM 246	Bar and Beverage Management	3

* *Partially fulfills the general education requirements.*

Office Systems

Admission to the office systems program is suspended until further notice.

The associate in arts program in Office Systems is designed to give students

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the knowledge and skills needed for today's high technology office through a well-rounded program incorporating liberal arts, business and communication theory, tasks typically performed by high-level professional secretaries, and information processing theory and skills. Because of the steadily growing need to process information efficiently and economically, new career areas and a bright future are evolving for professional secretaries associated with the development and operation of automated systems. Graduates will be qualified for positions such as executive secretary, administrative secretary and administrative assistant. Nearly all of the credits received may be applied toward a baccalaureate degree in a related course of study.

In addition to the general education requirements, the following core courses are required:

FIRST YEAR		Credits
BUS 112	Introduction to Business	3
MAT 140 or MAT 143*	College Algebra With Applications or Precalculus Algebra	4
<i>and one of the following:</i>		
MAT 232*	Calculus for Business and Social Sciences	
MAT 235*	Introduction to Statistics	4
OFS 125	Keyboarding/Typewriting	2
OFS 127	Word Processing and Typing Applications	3
SECOND YEAR		Credits
ACC 121	Introduction to Accounting	3
BUS 224	Business Communications	3
BUS 241	Principles of Management	3
BUS 251*	Business Law	3
CIS 101	Microcomputer Business Software	3
ECO 221*	Introduction to Macro-Economics	3
<i>or</i>		
ECO 222*	Introduction to Micro-Economics	3
OFS 225	Office Technology and Procedures	3
OFS 226	Automated Office Systems	3
OFS 227	Advanced Word Processing and Typing Applications	3
OFS 243	Machine Transcription	3
PSY 120*	General Psychology	3

* *Partially fulfills the general education requirements.*

OFFICE INFORMATION SYSTEMS CERTIFICATE PROGRAM

Admission to the Office Information Systems Certificate program is suspended until further notice.

In addition to the associate in arts degree program in Office Systems, a four-course

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certificate program in Office Information Systems is also offered. This program provides a foundation in computer concepts and techniques with emphasis on microcomputer applications. The requirements for this program are detailed in a program brochure that is available from the Office of the Division of Business Administration.

Social Sciences Division

Police Science and Administration

The associate of arts program in police science and administration is open to all men and women seeking a comprehensive education for a career in law enforcement or its allied fields. The program offers a broad liberal arts and science background through the general education program and required courses in the field of police science and administration. It offers the transfer student a basis for upper division work and at the same time offers career preparation at the entrance level.

The nature of modern society requires much more than a technical approach to police work. The work of administration of justice is people work, and the greater the understanding of human behavior by law enforcement and allied fields, the better the service. For this reason the student who specializes in the field of police science and administration will be exposed to the behavioral sciences as well as courses in applied technology.

Students who plan to transfer to another four-year institution should make sure they are following a program that will meet the specific requirements of that school.

The following courses are required and should be taken in the listed year.

FIRST YEAR **Credits**

PSA 120	Introduction to Law Enforcement	3
PSA 121	Administration of Justice	3
PSA 122	Criminal Law	3
PSY 120	General Psychology	3
PSY 202	Lifespan Development	3

SECOND YEAR **Credits**

PSA 221	Contemporary Corrections	3
PSA 222	Law Enforcement-Community Relations	3
PSA 223	Juvenile Delinquency/Justice	3
PSA 224	Security Concepts	3
PSA 232	Criminal Procedure and Evidence	3
BIO 141-142	or General Biology I-II	4-4
MAT 140	and College Algebra With Applications	
MAT 235	Introductory Statistics with Applications	4-4
SPA 131-132	Functional Elementary Spanish I-II	4-4



Associate of Science Degree

To qualify for an associate of science degree, students must successfully complete a minimum of 62 credits (exclusive of physical education) including the general education requirements, the required courses in the major field, and such additional courses as they may select with the assistance of their faculty advisors to meet the requirements of the major.

General Education Requirements

The General Education requirements for graduation in the associate of science degree programs are listed below. Specific guidance about the courses that are available to meet General Education requirements will be provided to students in advance of registration. Students are required to meet with their advisors in the selection of their courses.

I. GENERAL EDUCATION REQUIREMENTS		Credits
A. FRESHMAN DEVELOPMENT SEMINAR (FDS)*		0-1
B. HUMANITIES		9
C. MATHEMATICS AND/OR SCIENCE		12
SCI 100*	The Natural World: The Caribbean**	3
D. SOCIAL SCIENCES		9
SSC 100*	An Introduction to the Social Sciences: A Caribbean Focus	3
<i>and</i>		
Two other courses in the Social Sciences: Anthropology, Economics, Geography, History, Political Science, Psychology, or Sociology		
II. SUMMARY		Credits
Freshman Development Seminar		0-1
Humanities		9
Mathematics and/or Science		12
Social Sciences		6
TOTAL		27-28

*Requirement of the Freshman Year Program for all students matriculating into the University with fewer than 24 credits.

**Nursing students are exempt from this course.

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III. OTHER REQUIREMENTS

Students are required to take 0.5 credit hour in Physical Education for every semester they are full-time students up to the required two credit hours. PLS 200 may also be used to meet this requirement.

Also, students must earn at least 30 of the last 36 credits at the University of the Virgin Islands. Course work more than ten years old must be reviewed on a case-by-case basis to determine its appropriateness to the current University course requirements. In order to graduate, students must earn at least two times as many quality points as registered credits in all their courses as well as in the courses of their major.

Additionally, students must successfully pass the following examinations:

1. ENGLISH PROFICIENCY EXAMINATION (EPE)
2. COMPUTER LITERACY REQUIREMENT (CLE)

Degree Majors and Programs – A.S. Degree

Computer Science - St. Croix and St. Thomas Campuses

Nursing - St. Croix Campus

Physics - St. Thomas Campus

Computer Science

The associate of science degree in computer science is intended to provide a sound foundation in computer science and to develop professional skills in programming and networks. It is also designed to serve as an intermediate step towards acquiring the baccalaureate degree in computer science. Depending upon previous educational background, this associate degree can be completed in two to three years on either the St. Thomas or St. Croix campus.

In addition to the general education requirements, the following courses are required:

A. Required courses in Freshman Studies (required for anyone admitted into the program with fewer than 24 credits):

		Credits
SCI 100	The Natural World: The Caribbean	3
SSC 100*	An Introduction to the Social Sciences: A Caribbean Focus	3
FDS 100	Freshman Development Seminar	1

**Partially fulfills Social Science Requirements*

B. Required Computer Science courses:

		Credits
CSC 117	Introduction to Programming I	4

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CSC 118	Introduction to Programming II	4
CSC 119	Computer Graphics Applications	1
CSC 197,198	Computer Science Seminar	1,1
CSC 239	Scientific Computer Applications	2
CSC 240	Human Computer Interface Design	2
CSC 241	Introduction to Computer Architecture and Digital Systems	4
CSC 242	Data Structures	4
CSC 243	Digital Communications and Networks	4
CSC 250	Principles of Operating Systems	3

C. Required Mathematics courses: Credits

MAT 143* <i>or</i>	Precalculus Algebra	4
MAT 140* <i>and</i>	College Algebra with Applications	4
MAT 142* <i>or</i>	College Trigonometry	4
MAT 235* <i>or</i>	Introductory Statistics with Applications	4
MAT 241* <i>or</i>	Introduction to Calculus I and Analytical Geometry	4
MAT 233* <i>or</i>	Discrete Mathematics	3
MAT 215* <i>or</i>	Introduction to Number Theory	3
MAT 232	Calculus for Business and Social Science	4

**Partially fulfills the general education requirements*

D. One of the following Science courses is required: Credits

BIO 141	General Biology I	4
CHE 151	General Chemistry I	5
PHY 211	Introduction to Physics I	4
PHY 241	General Physics I	5

Note: It is recommended that students intending to pursue a baccalaureate degree elect to take MAT 143: Precalculus Algebra, MAT 142: College Trigonometry, MAT 241: Introduction to Calculus I, and PHY 241: General Physics I. Some baccalaureate programs expect students to take MAT 233: Discrete Mathematics in the lower division. Baccalaureate students should review their academic planning beyond the A.S. degree with their advisor.

Students who do not intend to pursue a baccalaureate degree may wish to take MAT 140: College Algebra with Applications, MAT 235: Introductory Statistics with Applications, MAT 233: Discrete Mathematics, and any one of the following courses: PHY 211: Introduction to Physics I, or BIO 141: General Biology I.

E. Required Humanities Courses: Credits

SPE 120	Public Speaking	3
ENG 120	English Composition	3
ENG 201	Research and Applied Writing	3

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F. Two other courses in the Social Sciences from:
Anthropology, Economics, Geography, History, Political Science, Psychology,
or Sociology

G. Physical Education

Full-time students must enroll for 0.5 credit hour of P.E. for each full-time semester up to 2 credits, or enroll in Personal Life Skills 200.

H. Passing Score on the English Proficiency Examination

I. Passing Score on the Computer Literacy Examination

Nursing

The associate of science program in nursing is designed to prepare graduates to assess, plan, implement, manage and evaluate nursing care competently for clients with common predictable health problems. The program is accredited by the National League for Nursing Accrediting Commission, 61 Broadway 33rd Floor, New York, New York 10006 (800-669-1656 ext. 153). In order to enroll in the first course of the nursing sequence, students must have completed, or be exempt from, Freshman Studies Courses (MAT 023, RCA 021/ENG101, WAC11/ENG 100, FDS 100, SSC 100, MAT 024), PSY 120 and the computer literacy exam. Students must also have completed NUR 100, BIO 151 and BIO 152 with a grade of "C" (2.0) or better, and have a cumulative GPA of at least 2.0. In order to enroll in clinical courses, students must submit documentation of physical examination and immunization status to the Campus Nurse.

In order to enhance student success in the program, two pre-nursing courses are offered. Students are strongly encouraged to enroll in NUR 011: Basic Science Concepts for Nursing, prior to entering BIO 151: Human Anatomy and Physiology I, and NUR 021: Strategies for Success in Nursing prior to entering NUR 131/132. These non-degree courses are designed to equip students with skills needed to be successful in completing the nursing curriculum.

In order to progress in the nursing sequence, students must achieve at least a "C" (2.0) grade in all required nursing courses and BIO 240 and maintain a cumulative GPA of 2.0. Nursing students must show satisfactory achievement of clinical objectives and a grade of 75 percent or better in theory in order to receive an overall course grade of "C". Nursing courses may not be repeated without recommendation by the Course Re-enrollment Committee. Students who do not receive a favorable recommendation from the Course Re-Enrollment Committee will be dismissed from the program. After one year, students may petition the Committee for consideration of re-enrollment. A nursing student who earns less than a "C" (2.0) in a biological science course may not continue in the nursing sequence until the deficiency is made up.

The associate degree in nursing requires 37 semester credits of nursing courses. A total of 70 credits is needed to obtain an associate of science degree in nurs-

Associate of Science Degree

ing. Prerequisite courses require at least two semesters of study and the clinical nursing sequence requires four semesters to complete for full-time students. Students wishing to progress on a part-time basis may complete the clinical nursing sequence in six semesters as follows:

NUR 100/131/132	Semester 1
NUR 142	Semester 2
NUR 242	Semester 3
NUR 244	Semester 4
NUR 243	Semester 5
NUR 245/246	Semester 6

In addition, the student must pass the English Proficiency Examination. Upon successful completion of the associate of science degree, the graduate is eligible to apply to take the NCLEX-RN Examination for licensure as a registered nurse. In addition to successful completion of the NCLEX-RN Exam, licensure requirements vary. Students should contact the Board of Nursing in the state or territory in which they plan to practice. Contact information can be retrieved at the National Council of State Boards of Nursing website. (<http://www.ncsbn.org>).

The following courses are required for the associate of science degree in nursing:

A. Required courses in Freshman Studies (required for anyone admitted into the program with fewer than 24 credits):

		Credits
SSC 100	An Introduction to the Social Sciences:	
	A Caribbean Focus	3
FDS 100	Freshman Development Seminar	1

B. Required courses in the Humanities: Credits

ENG 120	English Composition	3
ENG 201	Research and Applied Writing	3
Humanities elective		3

C. Required courses in the Science and Mathematics Division: **Credits**

BIO 151-152	Human Anatomy and Physiology I-II	4-4
BIO 240	Microbiology	4

D. Required courses in the Social Sciences Division: Credits

PSY 120	General Psychology	3
PSY 202	Life Span Development	3

E. PLS 200 Self Management: Wellness and Risk 2

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F. Required courses in the Nursing Education Division:		Credits
NUR 100	Medical Terminology	1
NUR 131	Nursing Skill Acquisition	3
NUR 132	Introduction to the Nurse/Client System	4
NUR 142	NCS: Adult I	9
NUR 242	NCS: Adult II	6
NUR 243	NCS: Childbearing Family	4
NUR 244	NCS: Mental Health	4
NUR 245	NCS: Child	4
NUR 246	NCS: Management	2

Students entering the nursing program need to plan for the additional costs involved in pursuing a career in nursing. The following is an estimate of costs:

Uniform/lab coat shoes	\$150.00
Clinical Accessories	\$50.00
Nursing Textbooks	\$880.00
NCLEX Application	\$200.00
V.I. Board of Nursing Fee	\$97.00
Nursing Pin (optional)	\$43.00 - \$236.00

Physics

The associate of science program in physics is intended to develop an acute awareness of our physical environment on a conceptual level through rigorous mathematical manipulation of the fundamental laws of physics and through utilization of the techniques of the modern physical scientist. It is also designed to serve as an intermediate step towards acquiring the baccalaureate degree in engineering, physics, or similar science. Depending upon previous educational background, this associate degree can be completed in two to three years.

In addition to the general education requirements, the following courses are required:

A. Required courses in Freshman Studies (required for anyone admitted into the program with fewer than 24 credits):		Credits
SCI 100	The Natural World: The Caribbean	3
SSC 100*	An Introduction to the Social Sciences: A Caribbean Focus	3
FDS 100	Freshman Development Seminar	1

**Partially fulfills the general education requirements in the Social Sciences*

Associate of Science Degree

B. Required courses in the Science and Mathematics Division:		Credits
CHE 151-152	General Chemistry I-II	5-5
<i>or</i>		
BIO 141-142	General Biology I-II	4-4
CSC 117	Introduction to Programming I	4
CSC 333 <i>or</i>	Programming Languages	
MAT 261	Linear Algebra	4
MAT 241-242	Introduction to Calculus and Analytical Geometry I-II	4-4
MAT 341-342	Intermediate Calculus I-II	3-3
PHY 241-242	General Physics I-II	5-5
PHY 311	Classical Mechanics	
<i>or</i> PHY 321	<i>or</i> Electromagnetism	3
PHY 341	Modern Physics	3
PHY 351	Modern Physics Laboratory	1

Note: MAT 346: Differential Equations is a recommended elective for students who have space in their programs of study. However, depending on their career plans, students may elect to take engineering drawing, engineering graphics, or other laboratory science courses to broaden their science base.



Associate of Applied Science Degree

To qualify for an associate in applied science degree, students must successfully complete a minimum of 62 credits (exclusive of physical education) including the general education requirements, the required courses in the major field, and such additional courses as they may select with the assistance of their faculty advisors to meet the requirements of the major.

General Education Requirements

The minimum General Education requirements in each discipline for graduation in the associate in applied science degree programs are listed below. Specific guidance about the courses that are available to meet General Education requirements will be provided to students in advance of registration. Students are required to meet with their advisors in the selection of their courses.

I. GENERAL EDUCATION REQUIREMENTS	Credits
A. FRESHMAN DEVELOPMENT SEMINAR (FDS)*	0-1
B. HUMANITIES	9-12
C. MATHEMATICS AND/OR SCIENCE	7-11
D. SOCIAL SCIENCES	3

* Requirement of the Freshman Year Program for all students matriculating into the University with fewer than 24 credits.

II. SUMMARY	Credits
Freshman Development Seminar	0-1
Humanities	9-12
Mathematics and/or Science	7-11
Social Sciences	3
TOTAL	19-27

III. OTHER REQUIREMENTS

Students are required to take 0.5 credit hour in Physical Education for every semester they are full-time students up to the required two credit hours. PLS 200 may also be used to meet this requirement.

Also, students must earn at least 30 of the last 36 credits at the University of the Virgin Islands. Course work more than ten years old must be reviewed on a case-by-case basis to determine its appropriateness to the current University course requirements. In order to graduate, students must earn at least two times as many

Associate of Applied Science Degree

quality points as registered credits in all their courses as well as in the courses of their major.

Additionally, students must successfully pass the following examinations:

1. ENGLISH PROFICIENCY EXAMINATION (EPE)
2. COMPUTER LITERACY REQUIREMENT (CLE)

Degree Program – A.A.S Degree

PROCESS TECHNOLOGY

The associate of applied science degree program in Process Technology is a technical program that will allow students to acquire the necessary skills, concepts, and experiences to be employed in a variety of positions within the refinery industry. The program blends essential elements of refinery training with General Education courses needed by refinery employees such as reading, writing, communication, and mathematics.

In addition, it is a collaborative program designed by the technical and operations managers of HOVENSA and professors within the Division of Science and Mathematics. The objectives of this program are to (1) prepare graduates to enter industrial employment, (2) maintain up-to-date curriculum and industry standards, (3) assist local industries in providing up-to-date training for their present and future employees, and (4) provide an atmosphere and the facilities to stimulate students toward maximum intellectual growth in technology.

FIRST YEAR

First Semester		Credits
SPE 120	Public Speaking	3
MAT 140	College Algebra with Applications	4
PRT 101	Introduction to Process Technology	3
PRT 110	Basic Electricity Theory	3
PRT 121	Instrumentation I	3
	Total:	16
Second Semester	Credits	
ENG 120	English Composition	3
MAT 235	Introductory Statistics with Applications	4
PRT 122	Instrumentation II	3
PRT 125	Industrial Process	3
PRT 130	Process Technology I- Equipment	3
	Total:	16
	Total Hours for the FIRST YEAR:	32

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SECOND YEAR

Third Semester		Credits
SSC 100	An Introduction to the Social Sciences: A Caribbean Focus	3
ENG 201	Research and Applied Writing	3
CHE 151	General Chemistry I	5
PRT 225	Safety, Health & Environment	3
PRT 231	Process Technology II - Systems	2
	Total:	16
Fourth Semester		Credits
CHE 152	General Chemistry II	5
PRT 232	Process Technology III - Operations	3
PRT 240	Process Troubleshooting	3
PRT 275	Internship	3
	Total:	14
Total Hours for the SECOND YEAR:		30



Bachelor of Arts Degree

To qualify for a bachelor of arts degree, students must successfully complete a minimum of 120 credits (exclusive of physical education) including the general education requirements, the required courses in the major field, and such additional courses as they may select with the assistance of their faculty advisors to meet the requirements of the major.

The General Education requirements for graduation in the bachelor of arts degree programs are listed below. Specific guidance about the courses that are available to meet General Education requirements will be provided to students in advance of registration. Students are required to meet with their advisors in the selection of their courses.

I. GENERAL EDUCATION REQUIREMENTS		Credits
A. FRESHMAN DEVELOPMENT SEMINAR (FDS)*		0-1
B. HUMANITIES		36
SPE 119	Interpersonal Communication and Leadership	3
SPE 120	Public Speaking	3
ENG 120	English Composition	3
ENG 201	Research and Applied Writing	3
ENG 261-262	World Literature I, II	6
FRE/SPA 131-132-231	Functional, Elementary and Intermediate French <i>or</i> Fundamental, Elementary and Intermediate Spanish	12
HUM 115	Introduction to Humanities	3
PHI 200	Critical Thinking	3
	Total	36
C. MATHEMATICS		6-8
MAT 140 <i>or</i> MAT 143	College Algebra with Applications <i>or</i> Precalculus Algebra	
<i>and one of the following:</i>		
MAT 142/232/235	College Trigonometry/Calculus for Business and Social Sciences/Introductory Statistics with Applications	
<i>or</i>		
For students with advanced preparation beyond the above levels, a minimum of six (6) credits of higher level mathematics courses		6-8
	Total	6-8

Bachelor of Arts Degree

D. NATURAL SCIENCES		6-9
SCI 100*	The Natural World: The Caribbean	3
<i>and either</i>		
SCI 200	Changes in the Natural World	3
SCI 301	Application of Principles from the Natural World	3
<i>or</i>		
Any two laboratory courses in the Natural Sciences		
Total		6-9
E. SOCIAL SCIENCES		6-9
SSC 100*	An Introduction to the Social Sciences: A Caribbean Focus	3
<i>and</i>		
Two other courses in the Social Sciences: Anthropology, Economics, Geography, History, Political Science, Psychology, or Sociology		
Total		6-9
TOTAL CREDITS		54-63

* Requirement of the Freshman Year Program for all students matriculating into the University with fewer than 24 credits.

II. SUMMARY	Credits
Freshman Development Seminar	0-1
Humanities	36
Mathematics	6-8
Natural Sciences	6-9
Social Sciences	6-9
TOTAL	54-63

III. OTHER REQUIREMENTS

Students are required to take 0.5 credit hour in Physical Education for every semester they are full-time students up to the required two credit hours. PLS 200 may also be used to meet this requirement.

Also, students must earn at least 30 of the last 36 credits at the University of the Virgin Islands. This particular requirement may be waived by the Chancellor only in cases where the student must complete the final year(s) of studies in another institution recognized by the University of the Virgin Islands. Course work more than ten years old must be reviewed on a case-by-case basis to determine its appropriateness to the current University course requirements. Appeals should be directed to the Chancellor. In order to graduate,

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students must earn a minimum cumulative grade point average (GPA) of 2.00; this requirement is also applicable to courses required in their major.

Additionally, students must successfully pass the following examinations:

1. ENGLISH PROFICIENCY EXAMINATION (EPE)
2. COMPUTER LITERACY EXAMINATION (CLE)

Degree Majors and Programs – B.A. Degree

Students enrolling in the bachelor of arts degree programs may select as a major field of study one of the following:

BUSINESS ADMINISTRATION DIVISION

Accounting — St. Croix and St. Thomas campus

Business Administration — St. Croix and St. Thomas campus

EDUCATION DIVISION*

Elementary Education — St. Croix and St. Thomas campus

**Additionally, the University provides professional preparation for a career in secondary education through a balanced four-year offering of liberal arts and professional education courses.*

HUMANITIES DIVISION

St. Thomas campus only

English

Humanities

Humanities, Journalism Concentrations

Music Education

Speech Communication and Theatre

SCIENCE AND MATHEMATICS DIVISION**

St. Thomas campus only

Biology

Chemistry

Marine Biology

Mathematics

*** This Division also offers pre-medical technology programs. A student planning to attend a graduate school of medicine, dentistry or veterinary medicine will normally major in chemistry or biology at the University of the Virgin Islands.*

Bachelor of Arts Degree

SOCIAL SCIENCES DIVISION

St. Thomas campus only

Psychology

Social Sciences

Social Work

Business Administration Division

The courses of study in the Division of Business Administration are designed to prepare the student to assume positions in middle and upper management in business and governmental organizations.

The program has been constructed on the assumption that contemporary study in business administration must build upon a broad base of liberal education. The plan of study is intended to develop the students' capacity to make sound judgments in their eventual positions in management and administration and to endow them with the historical perspective necessary for an understanding of human values and motivations and the relationships between economic activity and society as a whole.

To achieve this objective, the program combines a number of required general business courses with the University of the Virgin Islands general education requirements. By taking these courses, the student can gain the required background of liberal education and general business knowledge. At the same time it also broadens a liberal education. This program provides additional study in a specialized area of business as well as practical business experience through a supervised work-study internship.

A Master of Business Administration degree is offered by the University. Undergraduates who wish to take graduate courses or who plan to matriculate in the graduate program after earning their undergraduate degree should meet with their advisors and consult the Graduate Bulletin.

The following tables summarize requirements for the majors in the Business Administration Division.

Accounting Major

A. Required courses in Freshman Studies (required for anyone admitted into the program with fewer than 24 credits):

		Credits
SCI 100	The Natural World: The Caribbean	3
SSC 100	An Introduction to the Social Sciences: A Caribbean Focus	3
FDS 100	Freshman Development Seminar	1

B. Required courses in Business Administration:

		Credits
ACC 121-122	Introduction to Accounting	3-3
ACC 221-222	Intermediate Accounting	3-3

Bachelor of Arts Degree

ACC 253	Tax Accounting	3
ACC 440	Cost Accounting	3
ACC 442	Auditing	3
ACC 443	Advanced Accounting	3
BUS 112	Introduction to Business	3
BUS 231	Principles of Marketing	3
BUS 241	Principles of Management	3
BUS 242	Personnel Management	3
BUS 251	Business Law	3
BUS 321	Fundamentals of Finance	3
BUS 325	Statistics for Management Decisions	3
BUS 330	Production/Operations Management	3
BUS 474	Professional Development Seminar	1
BUS 475**	Undergraduate Internship in Business	2
CIS 101	Business Software Applications	3
CIS 210	Business Information Systems	3

***Under exceptional circumstances and on approval by the Division Chair, student work experience may qualify for waiver and such credits made up by an elective course. Written applications for waiver, along with supporting documents, must be made a semester in advance.*

C. Accounting course electives required: 6

D. The following courses in related fields are required: **Credits**

ECO 221*	Introduction to Macro-Economics	3
ECO 222*	Introduction to Micro-Economics	3

**Partially fulfills the general education requirements in the Social Sciences*

E. The following Mathematics sequence is required: Credits

MAT 140	College Algebra with Applications	4
	<i>and/or</i>	
MAT 143	Precalculus Algebra	4
MAT 232	Calculus for Business and Social Sciences	4

Business Administration Major

A. Required courses in Freshman Studies (required for anyone admitted into the program with fewer than 24 credits):

		Credits
SCI 100	The Natural World: The Caribbean	3
SSC 100	An Introduction to the Social Sciences: A Caribbean Focus	3
FDS 100	Freshman Development Seminar	1

Bachelor of Arts Degree

B. Required courses in Business Administration:		Credits
ACC 121-122	Introduction to Accounting	3-3
BUS 112	Introduction to Business	3
BUS 224	Business Communication	3
BUS 231	Principles of Marketing	3
BUS 241	Principles of Management	3
BUS 242	Personnel Management	3
BUS 251	Business Law	3
BUS 325	Statistics for Management Decisions	3
BUS 330	Production/Operations Management	3
BUS 321	Fundamentals of Finance	3
BUS 436	Business Strategy	3
BUS 474	Professional Development Seminar	1
BUS 475*	Undergraduate Internship in Business	2
CIS 101	Business Software Applications	3
CIS 210	Business Information Systems	3

**Under exceptional circumstances and on approval by the Division Chair, student work experience may qualify for waiver and such credits made up by an elective course. Written applications for waiver, along with supporting documents, must be made a semester in advance.*

C. The following courses in related fields are required:		Credits
ECO 221**	Introduction to Macro-Economics	3
ECO 222**	Introduction to Micro-Economics	3

***Partially fulfills the general education requirements in the Social Sciences*

D. The following Mathematics sequence is required: Credits

MAT 140	College Algebra with Applications	4
	<i>and/or</i>	
MAT 143	Precalculus Algebra	4
MAT 232	Calculus for Business and Social Sciences	4

E. The student must choose any one of the following concentrations. It is anticipated that additional areas of concentration will become available in the future.

ACCOUNTING CONCENTRATION

ACC 221-222	Intermediate Accounting	3-3
ACC 253	Tax Accounting	3
ACC 440	Cost Accounting	3

COMPUTER APPLICATIONS CONCENTRATION

CIS 300	Program Design and Evaluation	3
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CIS 310	Advanced Business Software Applications	3
CIS 238	Introduction to COBOL Programming	3
<i>or</i>		
CIS 357	Business Information Networks	3
CIS 410	Business Simulation and Modeling	3

FINANCE CONCENTRATION*

BUS 323	Investment Analysis 3	
BUS 324	Financial Markets and Institutions 3	
BUS 425	Financial Policy and Strategy	3
BUS 499	Independent Study	3

(ECO 321 and 322 are strongly recommended.)

**Note - St. Thomas Campus only*

MANAGEMENT CONCENTRATION

BUS 213	Small Business Management	3
BUS 336	Labor-Management Relations	3
BUS 429	Organizational Behavior	3
BUS 434	Public Policy toward Business	3

MARKETING CONCENTRATION*

BUS 234	Advertising and Promotional Strategy	3
BUS 326	Principles of Merchandising	3
BUS 422	International Marketing	3
BUS 426	Marketing Research	3

**Note - St. Thomas Campus only*

Education Division

It is part of the mission of the University of the Virgin Islands to prepare teachers for the public schools who are competent both academically and professionally. Towards this end, the Education Division offers (i) a major in elementary education and (ii) preparation in secondary education for students majoring in other fields. Certification of teachers is a matter for the territorial education authorities. The University's education program, however, prepares graduates to meet certification requirements for teaching in the Virgin Islands. (Although the foreign language requirement may be met by any foreign language, Spanish is strongly recommended for those who plan to teach in the Virgin Islands).

The program for elementary majors is designed to provide (a) broad preparation in the liberal arts, (b) concentrated study in one selected academic area, and c) professional preparation intended to produce highly effective teachers who can function successfully in a complex society — specifically the Virgin Islands — and to form a base for graduate study.

Bachelor of Arts Degree

Preparation for secondary school teachers involves (i) satisfying general education requirements for the bachelor of arts degree and (ii) majoring in English, humanities, mathematics, science, or social sciences. Required professional courses are detailed below.

Admission to both the elementary and secondary programs, both of which begin with Education 250, is by application. Prospective students are urged to apply at the beginning of their sophomore year. Admission can normally be secured by the second semester of the sophomore year. In order to qualify for admission, students must complete the following courses and earn a minimum grade of "C" in each course. Criteria (b) and (c) below, must also be met:

(a) completion of the general education requirements in

English	(SPE 120, ENG 120, ENG 201)
Science	(SCI 100, 200, 301 or SCI 100 plus two semesters of Laboratory Science)
Speech	(SPE 119)
Mathematics	(MAT 140, MAT 235)

(b) a cumulative grade point average of at least 2.33

(c) a pre-admission interview.

(d) must attain a passing score on the PRAXIS I Examination

EDU 221 and EDU 230 are open to any student meeting the prerequisites. Non-education undergraduate majors may take education courses beyond these if they have satisfied the same general education requirements contained in section (a) above. Any person holding an earned baccalaureate degree from an accredited institution may enroll in education courses at the undergraduate level with the exception of student teaching.

Elementary education majors and persons preparing for secondary education are required to earn a minimum grade of "C" in all required education courses. (All education majors who intend to meet certification requirements for teaching in the United States Virgin Islands should complete HIS 342 as an elective).

A Master of Arts degree in Education is offered at the University. Undergraduates who wish to take graduate courses or who plan to matriculate in the graduate program after earning their undergraduate degree should meet with their advisors and consult the Graduate Bulletin.

Elementary Education Major

A. Required courses in Freshman Studies (required for anyone admitted into the program with fewer than 24 credits): **Credits**

SCI 100	The Natural World: The Caribbean	3
SSC 100	An Introduction to the Social Sciences: A Caribbean Focus	3
FDS 100	Freshman Development Seminar	3

B. The general education requirements (courses taken to satisfy these requirements also count toward satisfaction of items D. and E. below. See the Division for specific details).

C. Required Education courses **Credits**

EDU 221	Foundations of Education	3
EDU 230	Educational Psychology	3
EDU 250	Curriculum Development and Instruction	3
EDU 257	Mathematics and the Elementary Teacher	5
EDU 350	Instructional Design and Technology	2
EDU 351	Classroom Management	2
EDU 353, 354	Teaching the Language Arts	3,4
EDU 450	Measurement and Evaluation in Education	2
EDU 452	Student Teaching in the Elementary School	9

D. Required course(s) in Psychology: **Credits**

PSY 120	General Psychology	3
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E. Required courses in Mathematics: **Credits**

MAT 140	College Algebra with Applications	4
<i>or</i>		
MAT 143	Precalculus Algebra	4
<i>and one of the following:</i>		
MAT 142	College Trigonometry	4
MAT 235	Introductory Statistics with Applications	4
MAT 232	Calculus for Business and Social Sciences	4

F. From one of the following areas a minimum of 18 credits are required, at least six of which must be at the 300 level or above:

English	Spanish
Mathematics	Social Sciences*
Natural Science	

**For students intending to teach in the Virgin Islands schools, the following are strongly recommended: one course in sociology, at least one course in African history, and the remainder in Caribbean history and geography.*

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SECONDARY TEACHER PREPARATION

A. Required courses in Freshman Studies (required for anyone admitted into the program with fewer than 24 credits): **Credits**

SCI 100	The Natural World: The Caribbean	3
SSC 100	An Introduction to the Social Sciences: A Caribbean Focus	3
FDS 100	Freshman Development Seminar	1

B. The general education requirements (see the Division for specific details)

C. Required Education courses: **Credits**

EDU 221	Foundations of Education	3
EDU 230	Educational Psychology	3
EDU 250	Curriculum Development and Instruction	3
EDU 351	Classroom Management	2
EDU 450	Measurement and Evaluation in Education	2
EDU 497	Seminar in Secondary Teaching	2
EDU 469	Student Teaching in the Secondary School	6

D. Required course(s) in Psychology: **Credits**

PSY 120**	General Psychology	3
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***Partially fulfills the general education requirements*

E. Requirements in the Major

Note concerning teaching by out-of-state students not regularly attending the University of the Virgin Islands:

1. *Eligibility.* Only students formally recommended by schools of education of accredited colleges and universities, or involved in an exchange arrangement that the University of the Virgin Islands has approved with another college or university, will be eligible for acceptance for enrollment in EDU 452, EDU 469/497 (Student Teaching and Seminar). In approving any such requests, priority will be given to graduates of the Virgin Islands secondary school system enrolled in mainland colleges and universities.

2. *Acceptance.* Acceptance of any outside students will be on a "space-available" basis, with priority given to University of the Virgin Islands students.

3. *Status.* Outside students enrolled in EDU 452, EDU 469/497 may attend the University of the Virgin Islands on a part-time status only, unless special circumstances exist which warrant an exception. For example, an exchange relationship with another university may involve full-time students who, as part of their over-all program, will enroll in EDU 452, EDU 469/497. Exceptions

may be made only by the Senior Vice President and Provost.

4. *Instruction and Credits.* All outside students taking EDU 452, EDU 469/497 must conform to University of the Virgin Islands policies regarding contact hours, supervision, credits, etc., which apply to University of the Virgin Islands students. No special arrangements can be made in this regard.

5. *Fee schedule.* Outside students will be required to pay a special fee of \$470.00, plus tuition, to cover costs associated with their enrollment.

6. *Department of Education.* These policies have been approved by the Commissioner of Education. All students seeking admission into EDU 452, EDU 469/497 must receive the prior agreement of the Department of Education to do their student teaching in the local public school system.

Humanities Division

Humanities studies are frequently divided into separate disciplines. All, however, involve or are concerned with the imaginative and reflective experiences of man and his communication with others. Here at the University of the Virgin Islands, these humane studies are collectively referred to as “the humanities.” An education in the humanities provides a sound basis for careers in many fields. These fields include, but are not limited to, teaching, business and government administration, radio, print and visual media, public relations, and other areas which involve writing, editing, translating, and the performing arts.

In the Humanities Division, the University offers courses in art, communications, English, French, Spanish, Japanese, journalism, music, philosophy, speech and theatre. It offers majors in English, music education, humanities, and speech communication and theatre. The English and music education majors are the more traditional programs; the humanities major affords an unusual degree of individual flexibility and range, including a journalism concentration, while demanding some of the initiative and discipline associated with graduate study. The speech communication and theatre major is a versatile degree which prepares students for advanced studies not only in speech and theatre, but for any areas in which the ability to communicate effectively is an asset.

Students planning to teach in a secondary school must satisfy the secondary education requirements in the Education Division as well as the requirements of the division in which they major.

Students intending to pursue graduate work in one of the humanities need not concentrate their undergraduate studies in the same field. In some instances it is possible, in a few it may be preferable, that they place emphasis on another of the humanities or on one of the social sciences. In all cases, however, the students should consult graduate catalogs to determine minimum requirements for admission to the program in which they are interested. The following tables list the required courses in the majors in the Humanities Division.

Bachelor of Arts Degree

English Major

A. Required courses in Freshman Studies (required for anyone admitted into the program with fewer than 24 credits):

		Credits
SCI 100	The Natural World: The Caribbean	3
SSC 100	An Introduction to the Social Sciences: A Caribbean Focus	3
FDS 100	Freshman Development Seminar	1

B. Required courses in English/Speech: **Credits**

SPE 120	Public Speaking	3
ENG 120	English Composition	3
ENG 201	Research and Applied Writing	3
ENG 261-262	World Literature	3-3
ENG 321, 322	British Literature	3,3
ENG 361	American Literature	3
ENG 362	Major American Writing	3
ENG 363	Black American Literature	3
ENG 371 or 372	Caribbean Literature	3,3
ENG 343	Language Theory and Practice	3
ENG 344	Advanced Writing	3
ENG 465 and/or 466	Selected Topics	3,3
HUM 497-498	Senior Humanities Seminar	1-1

Humanities Major

A. Required courses in Freshman Studies (required for anyone admitted into the program with fewer than 24 credits):

		Credits
SCI 100	The Natural World: The Caribbean	3
SSC 100	An Introduction to the Social Sciences: A Caribbean Focus	3
FDS 100	Freshman Development Seminar	1

B. Primary area of emphasis (no fewer than 9 credits at the 300-400 level) 18

C. Secondary area of emphasis 15

D. Additional courses in the Humanities 12

At the present time, journalism and theatre may be selected as primary areas. For the secondary field of emphasis, art, English, French, music, Spanish, or theatre may be pursued. Courses in the humanities taken to satisfy the general education requirements for the bachelor's degree may be counted toward the requirements for a Humanities major with following exceptions:

Public Speaking	3
English Composition	3

Bachelor of Arts Degree

Research and Applied Writing	3
Foreign language (one year)	8
Literature (one semester)	3
Speech (one semester)	3

E. The following courses are required: Credits

HUM 497-498	Senior Humanities Seminar	1-1
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Journalism and Mass Communications Concentration in the Humanities Major

A. Required courses in Freshman Studies (required for anyone admitted into the program with fewer than 24 credits):

		Credits
SCI 100	The Natural World: The Caribbean	3
SSC 100	An Introduction to the Social Sciences: A Caribbean Focus	3
FDS 100	Freshman Development Seminar	1

B. Required courses in Journalism and Mass Communications: **Credits**

JOU 101	Introduction to Mass Media	3
JOU 203	Basic Reporting and Newswriting	4
JOU 204	Editing	4
JOU 302	American and Caribbean Journalism	3
JOU 303	Advanced Reporting and Newswriting	4
JOU 401	Mass Communications Law and Ethics	3
JOU 402	Professional Internship in Mass Communications	3

C. The following courses are strongly recommended: **Credits**

JOU 324	Desktop Publishing	3
JOU 475	Directed Studies in Mass Communications	1 to 3
JOU 465,466	Selected Topics in Mass Communications	3,3

D. Secondary area of emphasis 15

Students who wish to complete interdisciplinary majors in a division other than the Humanities are encouraged to seek counseling by both their major advisor and the journalism advisor if they also wish to complete the required courses of the Journalism and Mass Communications concentration.

E. Additional courses in the Humanities 12

Courses in the Humanities taken to satisfy the general education requirements for the bachelor of arts degree may be counted toward the requirements for a

Bachelor of Arts Degree

Humanities major with the following exceptions (note that course credits may be counted only once):

Public Speaking	3
English Composition	3
Research and Applied Writing	3
Foreign language (one year)	8
Literature (one semester)	3
Speech (one semester)	3

F. Twelve credits from the following are required:

ACC 121	Introduction to Accounting	3
BUS 112	Introduction to Business	3
BUS 231	Principles of Marketing	3
ENG 343	Language Theory	3
ECO 221	Introduction to Macro-Economics	3
ECO 222	Introduction to Micro-Economics	3
GOG 121	Physical Geography	3
GOG 232	Geography of the Caribbean	3
HIS 181, 182	World Civilizations	6

Courses in other fields taken to satisfy general education requirements for the bachelor of arts degree may be counted towards these requirements and vice versa.

G. Course distribution for Journalism and Mass Communications concentration:

1. The student must take three courses from a single discipline of the Humanities, with one of these courses at the junior or senior level.
2. The student must take three courses from a single discipline of the Social Sciences, with one of these courses at the junior or senior level.
3. The student must take three courses from another single discipline, with one of these courses at the junior or senior level.

H. The student is required to satisfy the general education requirements for the bachelor of arts degree. Some courses listed under D and E count toward satisfaction of these requirements.

I. The following courses are required:

HUM 497-498	Senior Humanities Seminar	1-1
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Music Education Major

Objectives: The objectives of the music program are to: 1) train students for professional careers as teachers and performers; 2) prepare students for graduate study; 3) provide opportunities for students in other academic areas to study music for cultural and professional values; and 4) enrich the music experiences of the University and community.

Admission: In addition to the requirements for admission to the University, students who enter the Music Education curriculum must take and pass a placement exam in music theory. Failure to pass this exam will result in the student having to enroll in MUS 124, Introduction to Music, before entering MUS 103, Music Theory. Music Education majors cannot register for MUS 124, Introduction to Music, as a Humanities Division general education requirement. The incoming Music Education major must successfully complete an audition before the music faculty to be admitted to the program. An audition tape will be acceptable in extenuating circumstances. The audition must be completed one month prior to the semester of the intended date of registration.

General Requirements: Recitals: Music Education majors and all students enrolled in Applied Music are required to perform in at least two recitals per semester and provide other musical services for the University as recommended by Applied Music instructors. Suitable performance attire is required.

Examinations: Music Education majors and all students enrolled in Applied Music are required to perform before a jury consisting of each music faculty member as a final examination at the end of each semester. Seniors enrolled in MUS 462, Applied Music, are required to perform a solo or joint recital. MUS 462 students are also required to pass a jury examination no less than 30 days prior to the proposed date of their recital.

Ensemble Participation: Music Education majors are required to perform in one ensemble for eight semesters. Students concentrating in piano and voice must enroll in MUS 242 for eight semesters of their study. Students concentrating in instrumental must enroll in either MUS 132 or 133 for eight semesters of their study. If, however, Music Education majors remain in the degree program beyond a four-year period registered as full-time students, they must enroll in the ensemble designated by instrumental concentration, as outlined above.

Music Organizations: Assignments to music organizations are made on the basis of audition or approval of the conductor.

Program details are as follows:

Bachelor of Arts Degree

A. Required courses in Freshman Studies (required for anyone admitted into the program with fewer than 24 credits): **Credits**

SCI 100	The Natural World: The Caribbean	3
SSC 100	An Introduction to the Social Sciences: A Caribbean Focus	3
FDS 100	Freshman Development Seminar	1

B. Required courses in Music: **Credits**

MUS 103-104	Music Theory	3-3
MUS 161-162	Applied Music	1-1
MUS 173-174	Secondary Piano	1-1
<i>or</i>		
MUS 175-176	Secondary Voice	1-1
MUS 201-202	Music Theory	3-3
MUS 206, 207	Music History and Literature	3,3
MUS 261-262	Applied Music	1-1
MUS 273-274	Secondary Piano	1-1
<i>or</i>		
MUS 275-276	Secondary Voice	1-1
MUS 301	Counterpoint	2
MUS 302	Form and Analysis	2
MUS 361-362	Applied Music	1-1
MUS 401	Orchestration and Arranging	3
MUS 461-462	Applied Music	1-1
MUS 132, MUS 133		
<i>or</i> MUS 242	Ensemble (eight semesters)	8

C. Required courses in Music Education/Education: **Credits**

EDU 221	Foundations of Education	3
MUS 311	Conducting Techniques	3
MUS/EDU 312	Teaching Music in the Elementary School	3
MUS 321	Brass and Percussion Methods	2
MUS 322	Woodwind Methods	2
MUS/EDU 411	Teaching Music in Secondary Schools	3
MUS/EDU 412	Student Teaching and Seminar in Music	6

D. Required courses in other fields: **Credits**

PSY 120	General Psychology	3
PSY 321	Developmental Psychology I	3

E. The following are strongly recommended for voice majors: **Credits**

FRE 131-132	Functional Elementary French I, II	4-4
FRE 231	Intermediate French	4

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F. Students are required to satisfy the University's general education requirements for the bachelor of arts degree. Courses listed under D. and E. count toward satisfaction of these requirements.

Speech Communication and Theatre Major

Speech Communication and Theatre is a versatile major which prepares students for advanced studies in either speech communication, theatre or any related areas in which the ability to communicate effectively is a major asset. This could include areas such as religion, politics, advertising, mass communication and law, to mention a few. Graduates should be able to compete for employment in any occupation requiring effective communication abilities such as group dynamics and reasoning skills, interpersonal and intercultural process knowledge, active listening, improved perception, assertiveness and related verbal and nonverbal awareness.

A. Required courses in Freshman Studies (required for anyone admitted into the program with fewer than 24 credits):

		Credits
SCI 100	The Natural World: The Caribbean	3
SSC 100	An Introduction to the Social Sciences: A Caribbean Focus	3
FDS 100	Freshman Development Seminar	1

B. Required courses in English/Speech

		Credits
SPE 119	Interpersonal Communication and Leadership Skills	3
ENG 120	English Composition	3
ENG 201	Research and Applied Writing	3
SPE 225	Intercultural Communication	3

C. Required courses in Theatre:

		Credits
THE 110	Introduction to Theatre	3
THE 210	Theatre Service	4
THE 211-214	Production	1-1-1-1

Students are required to participate (in an acting, directing, or technical position) in a minimum of two main stage productions for a maximum of 4 credits.

D. Cross-over Speech and Theatre courses. Two of the following courses are required:

SPE 221	Oral Interpretation	3
SPE 227	Voice and Diction	3
THE 325	Readers Theatre	3

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E. Performance courses in Speech. Credits

Two of the following courses are required:

SPE 221	Oral Interpretation	3
SPE 223	Conference Techniques	3
SPE 401	Argumentation and Debate	3

F. History and criticism courses. Credits

Two of the following courses are required:

THE 315	Caribbean Theatre	3
SPE 403	Rhetorical Criticism	3
THE 413	Theatre Criticism	3

G. Theatre performance courses. Credits

The following courses are required:

THE 312	Directing Stage Production	3
THE 323	Basic Acting	3

H. Technical and Design Courses. Credits

Any one of the following Credits courses is required:

THE 412	Design and Stage Lighting	3
THE 415	Theatre Management	3

I. Required courses in other areas: Credits

ENG 343	Language Theory	3
JOU 101	Introduction to Mass Media	3
HUM 497-498	Senior Humanities Seminar	1-1
Major Credits		68-70
Electives		+9
General Education (fulfilled in major credits)		64-70

Science and Mathematics Division

In the Science and Mathematics Division, the University offers courses of study in astronomy, biology, chemistry, computer science, marine biology, and mathematics, with major fields of specialization in biology, chemistry, marine biology and mathematics. The Division also offers pre-engineering and pre-medical technology programs.

Mathematics is the essential tool for all students of natural, physical and applied sciences. In addition, certain areas in mathematics, such as statistics, probability, linear algebra and calculus, are indispensable for certain advanced programs in the social sciences. The students' readiness to begin the study of mathematics at the college level will determine whether they are able to com-

Bachelor of Arts Degree

plete their undergraduate degrees majoring in chemistry or mathematics in the normal period of four years. The student who has mastered mathematics through at least high school trigonometry and second-year high school algebra should be able to maintain the pace of a college program in science or mathematics. Four years of high school mathematics are recommended. In addition, familiarity with the language and basic concepts of the sciences can be gained through high school courses in biology and chemistry.

Students planning to attend a graduate school of medicine, dentistry or veterinary medicine normally will major in either chemistry or biology as an undergraduate. Students should consult with their advisors concerning courses which may be required for graduate study in their fields of interest. Biomedical research training opportunities are available for interested students to work in the laboratory of faculty mentors.

The University of the Virgin Islands is one of the few institutions in the United States offering an undergraduate major in marine biology. As the program develops, specialized field courses in chemical and physical oceanography, marine geology and marine instrumentation will be added. It is anticipated that the growing recognition for marine technicians will result in expanded career opportunities for those who complete the undergraduate program. Students in this program also will be prepared for graduate work.

Preparation in such fields as architecture, pharmacy, engineering and forestry may often be completed within the four years of a normal baccalaureate program with transfer from the University of the Virgin Islands after the first year or two of undergraduate study. However, many engineering programs now require a minimum of five years of study for a bachelor's degree.

The bachelor's degree, together with appropriate preparation in teacher education, is the basic qualification for those intending to teach science and mathematics at the secondary level.

The following tables list the required and recommended courses in the Science and Mathematics Division:

Biology Major

The requirements for a Bachelor of Arts Degree in Biology consist of the following Biology and related courses plus a study plan written by each candidate and his or her program advisor. Study plan guidelines and procedures will be published by the Division of Science and Mathematics from time to time. The study plan must be approved by the faculty of the Biology Program and will be submitted to the Enrollment Management Office. Course numbering reflects the year by which courses should be completed. The study plan must include at least one plant-based[^] and one animal-based* course. Any change in the study plan must be approved by the advisor and the program prior to course registration.

A. Required courses in Freshman Studies (required for anyone admitted into

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the program with fewer than 24 credits): **Credits**

SCI 100	The Natural World: The Caribbean	3
SSC 100	An Introduction to the Social Sciences: A Caribbean Focus	3
FDS 100	Freshman Development Seminar	1

B. Required courses in Biology (24 credit hours): **Credits**

BIO 141-142	General Biology I-II	4-4
BIO 223	Ecology	4
BIO 245	Genetics	4
BIO 360**	Cell and Molecular Biology I	4
BIO 397, 398	Junior Science Seminar I, II	1,1
BIO 497, 498	Senior Science Seminar I, II	1,1

C. Required courses in related fields (22-24 credit hours): **Credits**

CHE 151-152	General Chemistry I-II	5-5
MAT 241-242	Introduction to Calculus and Analytical Geometry I-II	4-4
<i>or</i>		
MAT 235	Introductory Statistics with Applications	4
PHY 211-212	Introduction to Physics I-II	4-4
<i>or</i>		
PHY 241-242	General Physics I-II 5-5	
<i>or</i>		
PHY 241-212	General Physics 1 - Introduction to Physics II	5-4

D. Science electives: **Credits**

An additional 18 credit hours minimum are required from the following:

BIO 220*	Marine Invertebrate Zoology	4
BIO 224	Population Biology	4
BIO 295	Responsible Conduct in Research	1
BIO 339*	Vertebrate Structure	5
BIO 342*	Animal Physiology	4
BIO 349^	Aquatic Plant Biology	4
BIO 350^	Terrestrial Plant Biology	4
BIO 352^	Plant Physiology	4
BIO 353	Developmental Biology	4
BIO 355-356	Biology of Microorganisms I-II	4-4
BIO 370	Evolution	3
BIO 460***	Cell and Molecular Biology II	4
BIO 465-466	Selected Topics in Biology****	4
BIO 495	Directed Independent Research in Biology (maximum 6 credits)	1-4
BIO 496	Internship/Field Studies (maximum 4 credits)	1-4

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Any MBI or MSC course

Any 200, 300 or 400 level Chemistry, Math or Physics course

SCI 100 (if taken as a freshman), The Natural World: The Caribbean

***Students matriculated before 2002 may substitute BIO 346 for BIO 360*

****Students matriculated before 2002 may substitute BIO 421 for BIO 460*

*****Depending on content, a Selected Topics in Biology may count as a plant- or animal-based course*

Chemistry Major

A. Required courses in Freshman Studies (required for anyone admitted into the program with fewer than 24 credits): **Credits**

SCI 100	The Natural World: The Caribbean	3
SSC 100	An Introduction to the Social Sciences: A Caribbean Focus	3
FDS 100	Freshman Development Seminar	1

B. Required courses in Chemistry: **Credits**

CHE 151-152	General Chemistry I-II	5-5
CHE 251	Quantitative Analysis	4
CHE 252	Instrumental Analysis	4
CHE 253-254	Organic Chemistry I-II	5-5
CHE 341-342	Physical Chemistry I-I	4-4
CHE 397, 398	Junior Science Seminar I, II	1/2,1/2
CHE 432	Inorganic Chemistry	4
CHE 497, 498	Senior Science Seminar I, II	1,1

C. The following courses in related fields are required: **Credits**

MAT 241-242	Introduction to Calculus and Analytical Geometry I-II	4-4
MAT 341-342	Intermediate Calculus I-II	3-3
PHY 241-242	General Physics I-II	5-5

D. The following courses are strongly recommended: Credits

CHE 348	Biochemistry	4
CHE 465, 466	Selected Topics	3 to 4
CHE 495	Directed Independent Research in Chemistry	1 to 4
CHE 496	Internship/Field Studies	1 to 4
MAT 441-442	Advanced Calculus I-II	3-3

Marine Biology Major

The Marine Biology major is designed to prepare students for a wide variety

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of careers. Students wishing to become marine technicians in either government or private sector should take, as a minimum, courses listed in categories A, B and C below. Marine Biology majors preparing for careers such as secondary teaching or environmental management should take courses in A, B and C along with courses from appropriate disciplines (e.g., teacher education or business administration).

For those planning careers in marine research or college teaching, advanced studies will be necessary. In order to prepare for graduate school, students should select French (or German, if available) for fulfillment of the foreign language requirement and should take mathematics and chemistry courses beyond the minimum required for the Marine Biology major (see category D below).

To partially fulfill the social sciences requirements, it is recommended that Marine Biology majors take ECO 221 and ECO 222, Introduction to Macro- and Micro-Economics.

A. Required courses in Freshman Studies (required for anyone admitted into the program with fewer than 24 credits): **Credits**

SCI 100	The Natural World: The Caribbean	3
SSC 100	An Introduction to the Social Sciences: A Caribbean Focus	3
FDS 100	Freshman Development Seminar	1

B. Required courses in Biology and Marine Biology: **Credits**

BIO 141-142	General Biology I-II 4-4	
BIO 223	Ecology	4
MSC 239	Oceanography	3
BIO 342	Animal Physiology	4
<i>or</i>		
BIO 352	Plant Physiology	4
BIO 245	Principles of Genetics	4
<i>or</i>		
BIO 355	Biology of Microorganisms	4
<i>or</i>		
BIO 360	Cell and Molecular Biology I	4
BIO 460	Cell and Molecular Biology II	4
MBI 397, 398	Junior Science Seminar I, II	1/2,1/2
MBI 424	Marine Ecology	4
MBI 465/466	Selected Topics in Marine Biology	4
MBI 497, 498	Senior Science Seminar I, II	1,1

C. One of the following three courses is required: **Credits**

MBI 220	Invertebrate Zoology	5
MBI 222	Ichthyology	4

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BIO 349	Aquatic Plant Biology	4
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D. Required courses in related fields: **Credits**

MAT 143-142	Precalculus Algebra and Trigonometry	4-4
CHE 151-152	General Chemistry I-II	5-5
PHY 211-212	Introduction to Physics I-II	4-4
<i>or</i>		
PHY 241-242	General Physics I-II	5-5

E. In addition to the courses not chosen to fulfill the requirement in Section B, the following are strongly recommended for students intending to pursue graduate studies: Credits

BIO 295	Responsible Conduct in Research	1
MAT 241-242	Introduction to Calculus and Analytical Geometry I-II	4-4
CHE 253-254	Organic Chemistry I-II	5-5
MSC 111	Open Water Scientific Diving	1

Mathematics Major

In addition to fulfilling the general education requirements for the Bachelor of Arts the following courses are required:

A. Required courses in Freshman Studies (required for anyone admitted into the program with fewer than 24 credits): **Credits**

SCI 100	The Natural World: The Caribbean	3
SSC 100	An Introduction to the Social Sciences: A Caribbean Focus	3
FDS 100	Freshman Development Seminar	1

B. Required courses in Mathematics: **Credits**

MAT 215	Introduction to Number Theory	3
MAT 241-242	Introductory Calculus and Analytic Geometry I, II	4-4
MAT 261	Linear Algebra	4
MAT 341-342	Intermediate Calculus I, II	3-3
MAT 362	Abstract Algebra I	3
MAT 441	Introductory Analysis I	3
MAT 397-398	Junior Mathematics Seminar I, II	1/2-1/2
MAT 497-498	Senior Mathematics Seminar I, II	1-1

C. Six elective courses from the following are required; a cluster of four courses must be approved by the advisor (see D. Suggested tracks): **Credits**

MAT 233	Discrete Mathematics	3
MAT 301	Modern Geometry	3

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MAT 332	Mathematical Statistics	3
MAT 344	Probability	3
MAT 346	Differential Equations	4
MAT 386	History and Philosophy of Mathematics	3
MAT 352	Mathematical Modeling	3
MAT 442	Introductory Analysis II	3
MAT 458	Topology	3
MAT 461	Abstract Algebra II	3
MAT 465, 466	Special Topics	3,3
MAT 325	Numerical Analysis	3
MAT 348	Complex Variables	3
MAT 499	Approved Independent Study	3
One approved upper-level course in another discipline		

D. Strongly Suggested Courses in Related Fields: Credits

CSC 117	Introduction to Programming	4
PHY 241-242*	General Physics I, II	5,5

* *Partially satisfies the general education requirement in science*

E. Suggested Tracks:

Applied: for majors interested in applied mathematics in the physical and engineering sciences, actuarial sciences, or business

MAT 332	Mathematical Statistics
MAT 344	Probability
MAT 346	Differential Equations
MAT 352	Mathematical Modeling
MAT 325	Numerical Analysis
MAT 348	Complex Variables
One approved upper level course in another discipline. (See F)	

Teaching: for majors considering a career in secondary education

MAT 233	Discrete Mathematics
MAT 301	Modern Geometry
MAT 332	Mathematical Statistics
MAT 344	Probability
MAT 386	History and Philosophy of Mathematics
MAT 352	Mathematical Modeling

Graduate: for majors considering graduate study in mathematics

MAT 442	Introductory Analysis II
MAT 458	Topology
MAT 461	Abstract Algebra II
MAT 348	Complex Variables

PRE-MEDICAL TECHNOLOGY PROGRAM

The courses outlined below are the general preparation recommended for the student who will later seek admission to a professional phase program at another academic institution or hospital school. The specific requirements should be obtained from the particular institution to which application will be made for professional training. Students should share this information with their advisors to facilitate developing a program tailored to specific future needs. Academic institutions offering the professional phase of training generally award a bachelor of science in medical technology upon completion of the program. Afterward, the student will be eligible to take an examination to become a certified medical technologist.

A. Required courses in Freshman Studies (required for anyone admitted into the program with fewer than 24 credits):

		Credits
SCI 100	The Natural World: The Caribbean	3
SSC 100	An Introduction to the Social Sciences: A Caribbean Focus	3
FDS 100	Freshman Development Seminar	1

B. The following courses are likely to be required:

		Credits
MAT 143-142	Precalculus Algebra and Trigonometry	4-4
<i>or</i>		
MAT 140	College Algebra with Applications	4
<i>and</i>		
MAT 235	Introductory Statistics with Applications	4
CHE 151-152	General Chemistry I-II	5-5
CHE 253-254	Organic Chemistry I-II	5-5
BIO 261-262	Human Structure and Function I-II	4-4
BIO 301	Microbiology for the Health Sciences	4
SPE 120	Public Speaking	3
ENG 120	English Composition	3
ENG 201	Research and Applied Writing	3
ENG 261, 262	World of Literature I, II	3,3
PSY 120	General Psychology	3

C. The following courses are strongly recommended and may be required by certain institutions:

		Credits
BIO 245	Principles of Genetics	4
CHE 251	Quantitative Analysis	4
CHE 252	Instrumental Analysis	4
PHY 211-212	Introduction to Physics I-II	4-4

Social Sciences Division

The Social Sciences Division offers majors in Psychology, Social Sciences and Social Work. Admission to the Social Work program, however, is suspended

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until further notice.

In addition to the above existing degree-granting programs, the Social Sciences Division also offers the Legal Assistance Program Certificate. Further information may be obtained from the Social Sciences Division.

While the social sciences are divided into a number of fields — each with its own theories, terminology and professional history — they have in common the use of the scientific method to study and interpret human behavior.

The overall objective of the Psychology major is to assist in meeting the increasing manpower needs of the Caribbean in two critical and expanding occupational areas — the delivery of human services and the development, exchange and processing of information. The specific objectives of the major are two-fold. The first is to provide the appropriate curriculum and the critical skills that will enable psychology graduates to qualify for entry-level professional positions in human services and informational services such as research and the management and analysis of data. The second is to provide the program's participants with a multicultural perspective on human perception, thinking and behavior along with the conceptual and practical skills needed to work effectively in multicultural settings. A comprehensive program provides a solid foundation in the fundamental principles of psychology as well as an insight into the practical work involved in being a psychologist.

The Social Sciences major is an interdisciplinary one, requiring the student to take courses in all of the major disciplines of the social sciences, namely economics, geography, history, political science, psychology and sociology.

Students may select the Social Sciences major as preparation for teaching the social sciences at the secondary or college level; as preparation for law school or graduate study in one of the social sciences, public administration, diplomacy or international relations; and/or as preparation for employment in governmental or private sector professions that do not necessarily require graduate study.

The students interested in teaching the social sciences at the secondary school level should major in Social Science and also satisfy the secondary education requirements of the Education Division. College teaching in the social sciences requires at least a master's degree, but a Ph.D. is preferred.

Students who intend to do graduate work in one of the social sciences should take as many courses as possible in the area they intend to pursue in graduate school. However, electives in other social sciences, the humanities, sciences or mathematics are strongly encouraged depending upon the specialization one intends to pursue in graduate school. In planning for graduate work, students should consult with their advisor and investigate minimum requirements for admission to the graduate school of their choice. They can then plan to meet these requirements while at the same time expanding their knowledge in other fields. University graduates may enter law school from any undergraduate

field of concentration. However, familiarity with the basic concepts of economics, history, political science, psychology, and sociology is desirable.

The Social Work major prepares baccalaureate level social work professional practitioners to meet the social work manpower needs in the U.S. Virgin Islands and the Caribbean as a whole. The aim of the curriculum is to prepare graduates who are social work generalists. The curriculum is also designed to enable graduates to enter graduate schools of social work at an advanced level.

The following table summarizes the requirements for the majors in the Social Sciences Division.

Psychology Major

Three concentrations are offered:

1) *an academic concentration in Psychology* offering a comprehensive foundation in the fundamental principles of psychology, with broad introduction to and a multicultural perspective on normal and abnormal human development, cognition, and behavior. This concentration should be selected by persons interested either in continuing on to graduate study in clinical, counseling, developmental, neuropsychology, health or experimental psychology, or in obtaining entry-level professional positions in the workplace after graduation with a B.A. degree, in roles such as information management or administrative positions which will require skills in research and the management and analysis of data.

2) *a crossdisciplinary academic concentration in Social Relations*, with an emphasis on the analysis of social institutions and social problems across cultures. Students with this concentration may be interested in graduate study in areas other than psychology, such as sociology, criminology or law school, or in obtaining entry level positions in the workplace after graduation with a B.A. degree in administrative or information management roles.

3) *an applied concentration in Human Services*, with a cross-disciplinary focus on human and social problems, and methods of intervention. This concentration should be chosen by students interested in graduate study in Social Work, or in obtaining entry level positions in human and social service institutions in the U.S. Virgin Islands and the wider Caribbean, in order to provide direct social services to individuals, groups and families under appropriate professional supervision. It should be understood that this concentration does not qualify the student to provide direct social or counseling services independently of supervision. In order to progress in this concentration students must achieve a minimum grade of C (2.0) in the Introduction to Human Services and Field Placement and Seminar courses taken concurrently. Students who fail to achieve these grades may repeat the courses once for credit, or switch to another concentration in Psychology.

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Requirements for all majors

A. Required courses in Freshman Studies (required for anyone admitted into the program with fewer than 24 credits):

		Credits
SCI 100	The Natural World: The Caribbean	3
SSC 100	An Introduction to the Social Sciences: A Caribbean Focus	3
FDS 100	Freshman Development Seminar	1

B. The general education requirements. 64 - 70 credits

C. Required courses in Psychology, Sociology, Social Science and Psychology:

		Credits
PSY 120	General Psychology	3
SOC 121	Introduction to Sociology	3
PSY 202	Life Span Development	3
PSY 240	Biopsychology	3
SSC 327-328	Quantitative Research Methods in the Social Sciences	3-3
PSY 440	Applied Research Methods	3
PSY 496	Practicum in Psychology	3
or		
SOC 469	Practicum in Sociology	3
SSC 497 - 498	Social Sciences Senior Seminar	1-3

D. Required courses in other fields:

		Credits
MAT 140	College Algebra With Applications	4
MAT 235	Introductory Statistics with Applications	4
CIS 210	Introduction to Computers and Applications	3

Psychology Concentration

E. The student must choose 12 credits from the following Psychology courses:

		Credits
PSY 203	Introduction to Personality	3
PSY 223	Social Psychology	3
PSY 301	History and Systems of Psychology	3
PSY 302	Culture and Behavior	3
PSY 304	Cognitive Psychology	3
PSY 327	Psychology of Women	3
PSY 332	Industrial/Organizational Psychology	3

F. The student must choose 12 credits from the following Psychology courses:

		Credits
PSY 321	Child Development	3

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PSY 325	Adolescent Development	3
PSY 322	Adult Development	3
PSY 432	Theories of Personality	3
PSY 434	Abnormal Psychology	3
PSY 433	Introduction to Counseling and Psychotherapy	3
PSY 435	Tests and Measurements	3
PSY 465	Selected Topics in Psychology	3

Social Relations Concentration

E. The student must choose 12 credits from the following Psychology and Sociology courses:

		Credits
PSY 223	Social Psychology	3
PSY 302	Culture and Behavior	3
PSY 327	Psychology of Women	3
PSY 332	Industrial/Organizational Psychology	3
SOC 124	Social Problems	3
SOC 224	Introduction to Social Welfare 3	3
SOC 236	Marriage and the Family	3

F. The student must choose 12 credits from the following Anthropology, Sociology and Psychology courses:

		Credits
ANT 225	Introduction to Cultural and Physical Anthropology	3
SOC 257, 258	The Black Experience in the New World	3, 3
SOC 332	Comparative Institutions	3
SOC 333	Criminology	3
SOC 335	Contemporary Issues in Social Gerontology	3
SOC 345	Race and Ethnic Relations	3
SOC 381	Contemporary Caribbean Society	3
PSY 465	Selected Topics in Psychology	3

Human Services Concentration

E. The student must take the following Sociology, Human Services and Psychology Courses:

		Credits
SOC 224	Introduction to Social Welfare	3
PSY 203	Introduction to Personality	3
HMS 310	Human Service Intervention Methods	3
HMS 375	Field Instruction and Seminar	3
PSY 434	Abnormal Psychology	3
PSY 433	Introduction to Counseling and Psychotherapy	3

F. The student must choose 9 credits from the following courses in Sociology and Psychology:

		Credits
PSY 223	Social Psychology	3

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PSY 321	Child Development	3
PSY 325	Adolescent Development	3
PSY 322	Adult Development	3
PSY 327	The Psychology of Women	3
SOC 124	Social Problems	3
SOC 236	Marriage and the Family	3
SOC 333	Criminology	3
SOC 335	Contemporary Issues in Social Gerontology	3
SOC 381	Contemporary Caribbean Society	3
PSY 465	Selected Topics in Psychology	3

Social Sciences Major

A. Required courses in Freshman Studies (required for anyone admitted into the program with fewer than 24 credits): **Credits**

SCI 100	The Natural World: The Caribbean	3
SSC 100	An Introduction to the Social Sciences: A Caribbean Focus	3
FDS 100	Freshman Development Seminar	1

B. The general education requirements

C. Required courses in Social Sciences: **Credits**

ANT 225	Introduction to Cultural and Physical Anthropology	3
ECO 221	Introduction to Macro-Economics	3
GEO 121	Physical Geography	3
HIS 181,182	World Civilization	3,3
HIS 320	History of the United States	3
HIS 341	Caribbean History	3
HIS 342**	History of the Virgin Islands	3
POL 120	Introduction to Political Science	3
POL 351	Comparative Government	3
<i>or</i>		
POL 352	International Politics	3
PSY 120	General Psychology	3
SOC 121	Introduction to Sociology	3
SSC 327-328	Quantitative Research Methods in the Social Sciences	4-4
SSC 497-498	Social Sciences Senior Seminar	1-3

***Students who do not plan to teach in the U.S. Virgin Islands may substitute a course in E below.*

D. The required courses for Secondary Teacher Preparation 21

or

E. Students who are preparing for law school; graduate study in social sci-

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ences, public administration, diplomacy or international relations; or for employment in governmental or private sector professions not requiring graduate study should choose four (4) of the following courses: **Credits**

CAR 465	Caribbean Studies: Selected Topics	3
ECO 222	Introduction to Micro-Economics	3
HIS 330	United States-Caribbean Relations	3
POL 151	American Government	3
POL 340	Caribbean Government and Politics	3
POL 351	Comparative Government	3
POL 352	International Politics	3
PSY 223	Social Psychology	3
SOC 124	Social Problems	3
SOC 345	Race and Ethnic Relations	3
SOC 381	Contemporary Caribbean Society	3

F. Required Courses in other Fields: **Credits**

(These courses also count toward satisfaction of B above.)

MAT 140	College Algebra with Applications	4
MAT 235	Introduction to Statistics with Applications	4

Social Work Major

A. Required courses in Freshman Studies (required for anyone admitted into the program with fewer than 24 credits): **Credits**

SCI 100	The Natural World: The Caribbean	3
SSC 100	An Introduction to the Social Sciences: A Caribbean Focus	3
FDS 100	Freshman Development Seminar	1

B. The following courses in Social Work are required: **Credits**

SWK 224	Introduction to Social Welfare	3
SWK 325	Social Welfare as a Social Institution	3
SWK 331	Social Work Methods I	3
SWK 332	Social Work Methods II	3
SWK 333	Field Instruction I and Field Seminar	3
SWK 334	Human Behavior and Social Environment Framework	3
SWK 425	Social Work Methods III	3
SWK 426	Social Work Methods IV	3
SWK 427	Field Instruction II and Field Seminar	6
SWK 428	Field Instruction III and Field Seminar	6
SWK 430	Social Welfare: Policies, Programs, Issues	3

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C. The following courses in the Social Sciences are required: **Credits**

ECO 221	Introduction to Macro-Economics	3
ECO 222	Introduction to Micro-Economics	3
HIS 181,182	World Civilizations	3-3
PSY 120	Introductory Psychology	3-3
SSC 327-328	Quantitative Research Methods in the Social Sciences	4-4
SSC 497-498	Social Sciences Senior Seminar	1-1
SOC 121	Introduction to Sociology	3

D. The student must choose three to nine credits from among the following Social Sciences courses: **Credits**

PSY 432	Psychology of Personality	3
POL 151-152	American Government	3-3
PSY 223	Social Psychology	3
SWK 465, 466	Selected Topics	3,3
SOC 236	Marriage and the Family	3
SOC 257, 258	The Black Experience in the New World	3,3
SOC 345	Race and Ethnic Relations	3
SOC 381	Contemporary Caribbean Society	3

E. Required Courses in Other Fields: **Credits**

BIO 151-152	Human Anatomy and Physiology I - II	4-4
MAT 140	College Algebra With Applications	4
<i>or</i>		
MAT 235	Introductory Statistics with Applications	4

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III. OTHER REQUIREMENTS

Students are required to take 0.5 credit hour in Physical Education for every semester they are full-time students up to the required two credit hours. PLS 200 may also be used to meet this requirement.

Also, students must earn at least 30 of the last 36 credits at the University of the Virgin Islands. This particular requirement may be waived by the Chancellor only in cases where the student must complete the final year(s) of studies in another institution recognized by the University of the Virgin Islands. Course work more than ten years old must be reviewed on a case-by-case basis to determine its appropriateness to the current University course requirements. Appeals should be directed to the Chancellor. In order to graduate, students must earn at least two times as many quality points as registered credits in all their courses as well as in the courses of their major.

Degree Majors and Programs – B.S. Degree

Students enrolling in the bachelor of science degree programs on the St. Thomas campus of the University of the Virgin Islands presently may select as a major field of study one of the following:

NURSING EDUCATION DIVISION

Nursing

SCIENCE AND MATHEMATICS DIVISION

Applied Mathematics

Biology

Chemistry

Computer Science

Marine Biology

Mathematics

Students enrolling in a bachelor of science degree program on the St. Croix campus may currently select Computer Science as a major field of study under the Science and Mathematics Division.

Nursing Education Division

Nursing Major

The Bachelor of Science in Nursing program (B.S.N.) is designed to prepare professional nurses to assess, plan, implement and evaluate nursing care. Graduates are prepared to utilize a variety of roles in a multiplicity of settings for clients with minimal deficits requiring health promotion and for those with

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maximal health deficits. Graduates of the B.S.N. program are eligible to apply to take the NCLEX-RN examination for licensure as a registered nurses. The program is accredited by the National League for Nursing Accrediting Commission, 61 Broadway 33rd Floor, New York, New York 10006 (800-669-1656 ext. 153).

Applicants intending to study nursing are expected to have completed a college preparatory program in high school which includes four years of English or the equivalent, two years of algebra or one year of plane geometry and one year of algebra, one year of biology and one year of another science, preferably general chemistry. A course in physics is desirable.

To progress to the sophomore level of the nursing curriculum, the student must have: 1) achieved sophomore standing, 2) a 2.0 cumulative grade point average, 3) achieved at least a C (2.0) in Principles of Chemistry for the Life Sciences I-II and, 4) completed "The Foundations of Nursing" course with a grade of at least C.

The student must also achieve a minimum grade of C in all nursing and required science courses, and maintain at least a GPA of 2.0, and a satisfactory rating on all clinical evaluations. A nursing student who earns less than a C in a biological science course or any nursing course attempted may not continue in the nursing sequence until the deficiency is corrected.

All nursing majors enrolled in clinical courses must submit documentation of physical examination and immunization status annually prior to the first day of class. Forms can be requested from the Division of Nursing Education.

Nursing courses can be repeated only once with recommendation from the student's academic advisor and the Division Chair.

The major in nursing requires 63 semester credits of nursing courses. A total of 129 credits is needed to obtain a Bachelor of Science in Nursing (B.S.N.) degree. General education requirements are fulfilled by taking courses offered by the Divisions of Humanities, Science and Mathematics, and Social Sciences. Other general education requirements include two credits of Physical Education or Personal Life Skills and successful completion of the Computer Literacy Requirement and the English Proficiency Examination.

The following courses, which include the general education courses, are required for the B.S.N. degree.

A. Required courses in Freshman Studies (required for anyone admitted into the program with fewer than 24 credits):

		Credits
SCI 100	The Natural World: The Caribbean	3
SSC 100	An Introduction to the Social Sciences: A Caribbean Focus	3
FDS 100	Freshman Development Seminar	1

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B. Required courses in the Humanities Division: Credits

SPE 119	Interpersonal Communication and Leadership Skills	3
ENG 120	English Composition	3
ENG 201	Research and Applied Writing	3
SPA 131-132	Functional Elementary Spanish	4-4
FRE 131-132	Functional Elementary French	4-4
HUM 115	Introduction to Humanities	3

C. Required courses in the Science and Mathematics Division: Credits

MAT 140	College Algebra with Applications	
or MAT 143	or Precalculus Algebra	4
CHE 111-112	Principles of Chemistry for the Life Sciences I-II	4-4
BIO 261-262	Human Structure and Function I-II	4-4
MAT 235	Introductory Statistics with Applications	4
BIO 301	Microbiology for the Health Sciences	4

D. Required courses in the Social Sciences Division: Credits

Sociology Elective 3		
PSY 120	General Psychology	3
PSY 202	Life Span Development	3

E. Required physical education courses 2 (May be met by Physical Education courses or Personal Life Skills course)

F. Required courses in the Nursing Education Division: Credits

NUR 120	Foundations of Nursing	2
NUR 207	Human Nutrition	2
NUR 208	Fundamentals of Nursing	6
NUR 209	Health Assessment	2
NUR 228	Nursing Roles with the Childbearing Family	6
NUR 229	Pharmacology in Nursing	3
NUR 308	Nursing Roles Adult Care I	5
NUR 309	Nursing Roles in Pediatric Care	5
NUR 318	Nursing Roles in Mental Health	5
NUR 319	Nursing Roles in Adult Care II	5
NUR 417	Nursing Roles in Adult Care III	6
NUR 418	Nursing Roles in Community Health	6
NUR 419	Nursing Research	3
NUR 422	Nursing Issues	2
NUR 424	Nursing Leadership/Clinical Elective	5

Science and Mathematics Division

A bachelor of science degree with majors in biology, chemistry, computer science, marine biology or mathematics, is offered for preprofessional students

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who intend to pursue graduate studies. A Bachelor of Science in Applied Mathematics is offered to students who complete the dual degree Engineering programs. These degree programs are challenging and should be attempted only by students with special talents in science.

The biology major provides a firm foundation in biology and cognate sciences while allowing students to specialize within a field of interest (e.g., zoology). The marine biology major requires that a broad base in the biological and physical sciences be acquired and applied in the study of marine environments. The course of study results in a level of preparation difficult to obtain elsewhere at the bachelor's level.

The chemistry program provides a strong background in chemistry with grounding in physics and mathematics. With the proper choice of electives the student can design a curriculum with sub-specialization in biology, marine biology, computer science, engineering, mathematics or physics. It is suitable for students wishing higher degrees in chemistry, biochemistry or related fields.

A computer science major is offered for students who plan on starting a professional career in computer science immediately after graduation or for students who intend to pursue graduate studies. The program provides a strong professional foundation in computer science, mathematics and science, and includes electives which can be selected to provide exposure to an application area in science or computer information systems. It is suitable for students seeking employment in the computing industry and for students seeking an understanding of how computers and their applications evolve.

The mathematics major requirements accommodate a wide variety of interests and career goals. The courses provide broad training in undergraduate mathematics, preparing majors for graduate study, for positions in government, industry and the teaching profession. While students must consult with their advisors in designing appropriate courses of study, three suggested tracks in the description of the major, as well as a concentration in computer science are offered. The concentration in computer science is recommended for those students interested in graduate study in applied mathematics (e.g. Numerical Analysis), as well as for those students interested in teaching.

The bachelor of science programs in biology, chemistry with physics or marine biology are good preparations for students interested in careers in the health sciences. Interested students should seek details of a cooperative program with Boston University School of Medicine, together with other cooperative programs which may be available, from the Chair of the Division.

Prospective majors should consult their academic advisors and carefully evaluate the demands of these programs before deciding to pursue a B.S. degree. The approximately 20 credit difference in general education requirements between B.S. degrees and B.A. degrees is more than compensated by increased requirements in science and mathematics in the B.S. programs. Not only are

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more science and mathematics credits required for the B.S. degrees, but the additional required courses are at more advanced and challenging levels.

Applied Mathematics Major (3-2 Engineering Program)

The Bachelor of Science in Applied Mathematics is available only for students who complete the dual degree or 3-2 engineering program. Through this program, students spend approximately three years at the University of the Virgin Islands and two years at a participating institution. At the end of the program, the student receives a Bachelor of Science in Applied Mathematics from the University of the Virgin Islands, and a Bachelor of Science in their chosen field of engineering from the affiliated university. (A student may also opt to complete another existing UVI bachelors degree by completing all those requirements before enrolling at the affiliated university for the B.S. in engineering.) The University of the Virgin Islands has agreements with Columbia University and Washington University in St. Louis. The dual degree program offers a great deal of flexibility to the students. The students follow a course of studies similar or identical to those taken by many of our science majors, while adding certain required courses. Many pre-medicine majors can also prepare for engineering by adding a few courses to their normal curriculum. A well planned curriculum will open up many options to those students who begin in the dual degree engineering program. Interested students should consult with the engineering liaison officer early in their college career.

Applied Mathematics Major

In addition to fulfilling the general education requirements for a Bachelor of Science degree, the required courses are as follows:

A. Required courses in Freshman Studies (required for anyone admitted into the program with fewer than 24 credits):

		Credits
SCI 100	The Natural World: The Caribbean	3
SSC 100	An Introduction to the Social Sciences: A Caribbean Focus	3
FDS 100	Freshman Development Seminar	1

B. Required courses in Mathematics:

		Credits
MAT 241-242	Introductory Calculus I-II	4-4
MAT 341-342	Intermediate Calculus I-II	3-3
MAT 261	Linear Algebra	4
MAT 346	Differential Equations	4
MAT 397-398	Junior Mathematics Seminar	1/2, 1/2

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C. Required courses in Related Fields:		Credits
CHE 151-152	General Chemistry I-II	5-5
PHY 241-242	General Physics	5-5
PHY 341	Modern Physics	3
CSC 117	Intro. To Programming I	4
ECO 221	Intro. To Macro-Economics	3

D. In addition to the required courses, the student is strongly recommended to take more courses in his/her chosen field of specialization:

Field of Specialization	Suggested Courses	Credits
Biomedical Engineering	BIO 141-142 Biology courses numbered above 200	4-4
Chemical Engineering	Chemistry courses numbered above 200	
Computer Engineering	MAT 223 (Discrete Mathematics) MAT 325 Numerical Methods CSC 118 Intro to Programming II CSC 242 Data Structures CSC course	3 3 4 4
Mechanical Engineering	Physics courses numbered above 200	
Electrical Engineering	Physics courses numbered above 200	
Applied Mathematics	MAT 332 Mathematical Statistics MAT 325 Numerical Methods MAT 233 Discrete Mathematics MAT 352 Mathematical Modeling	3 4 3 3

Biology Major

The requirements for a Bachelor of Science Degree in Biology consist of the following Biology and related courses plus a study plan written by each candidate and his or her program advisor. Study plan guidelines and procedures will be published by the Division of Science and Mathematics from time to time. The study plan must be approved by the faculty of the Biology Program and will be submitted to the Enrollment Management Office. Course numbering reflects the year by which courses should be completed. The study plan must include at least one plant-based[^] and one animal-based* course. Any change in the study plan must be approved by the advisor and the program prior to course registration. In addition to fulfilling the General Education requirements for a Bachelor of Science degree, students must pass a Science Comprehensive Examination following completion of formal academic course work and prior to graduation.

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A. Required courses in Freshman Studies (required for anyone admitted into the program with fewer than 24 credits): **Credits**

SCI 100	The Natural World: The Caribbean	3
SSC 100	An Introduction to the Social Sciences: A Caribbean Focus	3
FDS 100	Freshman Development Seminar	1

B. Required courses in Biology (24 credit hours): **Credits**

BIO 141-142	General Biology I-II	4-4
BIO 223	Ecology	4
BIO 245	Genetics	4
BIO 360**	Cell and Molecular Biology I	4
BIO 397, 398	Junior Science Seminar I, II	1,1
BIO 497, 498	Senior Science Seminar I, II	1,1

C. Required courses in related fields (36-38 credit hours): **Credits**

CHE 151-152	General Chemistry I-II	5-5
CHE 253-254	Organic Chemistry	5-5
MAT 241-242	Introduction to Calculus and Analytical Geometry I-II	4-4
PHY 211-212	Introduction to Physics I-II	4-4
<i>or</i>		
PHY 241-242	General Physics I-II	5-5
<i>or</i>		
PHY 241-212	General Physics 1 - Introduction to Physics II	5-4

D. Science electives: **Credits**

An additional 38 credit hours minimum are required from the following:

BIO 220*	Marine Invertebrate Zoology	4
BIO 224	Population Biology	4
BIO 295	Responsible Conduct in Research	1
BIO 339*	Vertebrate Structure	5
BIO 342*	Animal Physiology	4
BIO 349^	Aquatic Plant Biology	4
BIO 350^	Terrestrial Plant Biology	4
BIO 352^	Plant Physiology	4
BIO 353	Developmental Biology	4
BIO 355-356	Biology of Microorganisms I-II	4-4
BIO 370	Evolution	3
BIO 460***	Cell and Molecular Biology II	4
BIO 465-466	Selected Topics in Biology****	4
BIO 495	Directed Independent Research in Biology (maximum 6 credits)	1-4
BIO 496	Internship/Field Studies (maximum 4 credits)	1-4
Any MBI or MSC course		
Any 200, 300 or 400 level Chemistry, Math or Physics course		

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SCI 100 (if taken as a freshman), The Natural World: The Caribbean
Any CSC course except CSC 111 or CSC 119

***Students matriculated before 2002 may substitute BIO 346 for BIO 360*

****Students matriculated before 2002 may substitute BIO 421 for BIO 460*

*****Depending on content, a Selected Topics in Biology may count as a plant- or animal-based course*

Chemistry Major

A. Required courses in Freshman Studies (required for anyone admitted into the program with fewer than 24 credits):

		Credits
SCI 100	The Natural World: The Caribbean	3
SSC 100	An Introduction to the Social Sciences: A Caribbean Focus	3
FDS 100	Freshman Development Seminar	1

B. Required courses in Chemistry:

		Credits
CHE 151-152	General Chemistry I-II	5-5
CHE 251	Quantitative Analysis	4
CHE 252	Instrumental Analysis	4
CHE 253-254	Organic Chemistry I-II	5-5
CHE 341-342	Physical Chemistry I-II	4-4
CHE 397,398	Junior Science Seminar I, II	1/2,1/2
CHE 432	Inorganic Chemistry	4
CHE 497,498	Senior Science Seminar I, II	1,1
	Subtotal	43

C. Required courses in Mathematics:

		Credits
MAT 143-142*	Precalculus Algebra and Trigonometry	4-4
MAT 241-242*	Introduction to Calculus and Analytical Geometry I-III	4-4
MAT 341-342*	Intermediate Calculus I-II	3-3
	Subtotal	22

**A student may be exempted from MAT 143-142 by a qualifying examination.*

D. Required courses in Physics:

		Credits
PHY 241-242	General Physics I-II	5-5
PHY 341	Modern Physics	3
PHY 351	Modern Physics Laboratory	1
	Subtotal	14

E. Science Electives: An additional 21 credits in science, mathematics, engineering, or computer science are required from the following:

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Any Biology course
 300 or 400 level Chemistry courses
 200, 300 or 400 level Mathematics courses
 Any Computer Science course except CSC 111
 Any 200 level engineering courses
 300 level physics courses

F. The following courses are strongly recommended in partial fulfillment of the requirements in Section D:

		Credits
CHE 348	Biochemistry	5
CHE 465	Selected Topics in Chemistry	3
CHE 495	Directed Independent Research	1-4
BIO 245	Principles of Genetics	4
MAT 346	Differential Equations	3

G. Pre-medical students are advised to take:

		Credits
BIO 141-142	General Biology I-II	4-4
CHE 348	Biochemistry	5
BIO 245	Principles of Genetics	4

Computer Science Major

In addition to fulfilling the general education requirements for a bachelor of science degree, the following courses are required:

A. Required courses in Freshman Studies (required for anyone admitted into the program with fewer than 24 credits):

		Credits
SCI 100	The Natural World: The Caribbean	3
SSC 100	An Introduction to the Social Sciences: A Caribbean Focus	3
FDS 100	Freshman Development Seminar	1

B. Required courses in Computer Science:

		Credits
CSC 117	Introduction to Programming I	4
CSC 118	Introduction to Programming II	4
CSC 119	Computer Graphics	1
CSC 197, 198	Computer Science Seminar	1,1
CSC 239	Scientific Computer Applications	2
CSC 240	Human-Computer Interface Design	2
CSC 250	Principles of Operating Systems	3
CSC 241	Introduction to Computer Architecture and Digital Systems	4
CSC 242	Data Structures	4
CSC 243	Digital Communications and Networks	4
CSC 333	Programming Languages	3

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CSC 317	Programming III	3
CSC 332	Databases and Information Retrieval	3
CSC 352	Analysis of Algorithms and Complex Problems	3
CSC 363	Documentation and Technical Communication	3
CSC 397, 398	Junior Science Seminar I, II	1/2,1/2
CSC 371	Issues in the Computer Science Profession	1
CSC 420	Software Engineering	4
CSC 497, 498	Senior Science Seminar I, II	1,1

A minimum of 2 credits in either: **Credits**

CSC 495	Directed Independent Research in Computer Science	1-4
<i>or</i>		
CSC 496	Internship/Field Studies	1-4

C. An additional 6 credits chosen from among the following 300 or 400 level courses are required: **Credits**

CSC 430	Knowledge Engineering and Expert Systems (Fall semester)**	3
CSC 433	Communications Systems and Networks (Spring semester)**	3
CSC 434	Programming Language Translation (Spring semester)**	3
CSC 465	Fundamentals of Neural Networks (Spring semester)**	3
MAT 465	Selected Topics: Numerical Analysis	3

D. Required courses in Mathematics: **Credits**

MAT 143	Precalculus Algebra*	4
MAT 142	College Trigonometry	4
MAT 241	Introduction to Calculus and Analytical Geometry I	4
MAT 242	Introduction to Calculus and Analytical Geometry II	4

One of the following courses is required: **Credits**

MAT 233	Discrete Mathematics	3
MAT 215	Introduction to Number Theory	3
MAT 261	Linear Algebra	4
MAT 465	Selected Topics: Numerical Analysis**	3

Note: It is recommended that students wishing to prepare for careers with an emphasis in mathematical and scientific applications take all of the mathematics courses listed above as electives under section C and F.

E. One of the following Science sequences is required:* **Credits**

BIO 141-142	General Biology I-II	4-4
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Bachelor of Science Degree

CHE 151-152	General Chemistry I-II	5-5
PHY 241-242	General Physics I-II	5-5

F. An additional 9 credits are required in a supporting discipline area chosen from:

		Credits
CIS 300	Process Design and Evaluation	3
CIS 310	Advanced Business Software Applications	3
CIS 357	Business Information Networks	3
CIS 410	Business Simulation and Modeling	3
CSC 430	Knowledge Engineering and Expert Systems (Fall semester)**	3
CSC 433	Communication Systems and Networks (Spring semester)**	3
CSC 434	Programming Language Translation (Spring semester)**	3
CSC 465	Fundamentals of Neural Networks**	3

Any 300-400 level course in Mathematics

Any 200-400 level course in Biology, Chemistry of Physics; Course combinations must be approved by the student's faculty advisor.

Note: It is recommended that students with an interest in computer engineering or robotics take the PHY 241-242 sequence, and that students with an interest in medical technology and computing take the Biology 141-142 sequence.

*Partially satisfies the general education requirement in Science and Mathematics.

**Cannot be used to satisfy both sections B and C.

Marine Biology Major

To qualify for a bachelor of science degree with a major in marine biology, students must successfully complete 91 to 94 semester credits in biology, marine biology and cognate courses (which will include 16 credits attributable to the bachelor of science general education requirements in science and mathematics), plus 32 additional semester credits of general education requirements. Students must pass a Science Comprehensive Examination following completion of formal academic coursework and prior to graduation and must also successfully complete the English Proficiency Examination.

A. Required courses in Freshman Studies (required for anyone admitted into the program with fewer than 24 credits):

		Credits
SCI 100	The Natural World: The Caribbean	3
SSC 100	An Introduction to the Social Sciences: A Caribbean Focus	3
FDS 100	Freshman Development Seminar	1

Bachelor of Science Degree

B. Required courses in Biology and Marine Biology: Credits

BIO 141-142	General Biology I-II	4-4
MBI 220	Marine Invertebrate Biology	5
BIO 223	Ecology	4
MSC 239	Oceanography	3
BIO 245	Principles of Genetics	4
BIO 342	Animal Physiology	4
<i>or</i>		
BIO 352	Plant Physiology	4
BIO 349	Aquatic Plant Biology	4
MBI 397, 398	Junior Science Seminar I, II	1/2,1/2
MBI 424	Marine Ecology	4
MBI 465 <i>or</i> MBI 466	Selected Topics in Marine Biology	4
MBI 497, 498	Senior Science Seminar I, II	1,1

C. Three courses from the following are required: Credits

MBI 222	Ichthyology	4
BIO 339	Vertebrate Structure	5
BIO 224	Population Biology	4
BIO 353	Developmental Biology	4
BIO 355-356	Biology of Microorganisms I-II	4-4
BIO 370	Evolution	3
BIO 360-460	Cell and Molecular Biology I-II	4-4
MBI 495	Directed Independent Research in Marine Biology	1-4

C. The following courses in related fields are required: Credits

CSC 239	Scientific Computer Applications	2
<i>or</i>		
CSC 117	Introduction to Programming I	4
MAT 143-142*	Precalculus Algebra and Trigonometry	4-4
MAT 235	Introductory Statistics with Applications	4
MAT 241-242	Introduction to Calculus and Analytical Geometry I-II	4-4
CHE 151-152	General Chemistry I-II	5-5
PHY 211-212	Introduction to Physics I-II	4-4
PHY 241-242	General Physics I-II	5-5
PHY 241-212	General Physics I-Introduction to Physics II	5-4

**A student may be exempted from MAT 143-142 by a qualifying examination.*

E. The following are strongly recommended: Credits

BIO 295	Responsible Conduct in Research	1
CHE 253-254	Organic Chemistry I-II	5-5
MSC 211	Research Diving	2

Bachelor of Science Degree

Mathematics Major

In addition to fulfilling the general education requirements for the Bachelor of Science, the following courses are required:

A. Required courses in Freshman Studies (required for anyone admitted into the program with fewer than 24 credits): **Credits**

SCI 100	The Natural World: The Caribbean	3
SSC 100	An Introduction to the Social Sciences: A Caribbean Focus	3
FDS 100	Freshman Development Seminar	1

B. Required courses in Mathematics: **Credits**

MAT 215	Introduction to number Theory	3
MAT 241-242	Introductory Calculus and Analytic Geometry I, II	4-4
MAT 261	Linear Algebra	4
MAT 341-342	Intermediate Calculus I, II	3-3
MAT 362	Abstract Algebra I	3
MAT 441	Introductory Analysis I	3
MAT 397-398	Junior Mathematics Seminar I, II	1/2-1/2
MAT 497-498	Senior Mathematics Seminar I, II	1-1

C. Six elective courses from the following are required: **Credits**

Note: A cluster of four courses must be approved by your advisor (see G: Suggested tracks)

		Credits
MAT 233	Discrete Mathematics	3
MAT 301	Modern Geometry	3
MAT 325	Numerical Analysis	3
MAT 332	Mathematical Statistics	3
MAT 344	Probability	3
MAT 346	Differential Equations	4
MAT 348	Complex Variables	3
MAT 352	Mathematical Modeling	3
MAT 386	History and Philosophy of Mathematics	3
MAT 442	Introductory Analysis II	3
MAT 458	Topology	3
MAT 461	Abstract Algebra II	3
MAT 465,466	Special Topics	3,3
MAT 499	Approved Independent Study	3
One approved upper level course in another discipline (See F)		

D. Required Courses in Related Fields: **Credits**

CSC 117	Introduction to Programming	4
PHY 241-242*	General Physics I, II	5,5

Bachelor of Science Degree

* *Partially satisfies the general education requirement in mathematics and science*

E. An additional 9 credits in science and mathematics are required from the following:

200 level or above Biology courses
 Any Chemistry course except CHE 111-112
 200 level or above Marine Biology or Marine Science courses
 300 or 400 level Mathematics courses
 Any Computer Science course except CSC 111
 300 or 400 level Physics courses

F. The following are strongly recommended:

Credits

ECO 221	Introduction to Macro-economics	3
ECO 222	Introduction to Micro-economics	3
PHY 311	Classical Mechanics	3
MAT 465,466	Special Topics	3, 3
MAT 442		
or MAT 461	Math Analysis II or Abstract Algebra II	3
PHY 321	Electromagnetism	3
PHY 341	Modern Physics	3
SSC 327-328	Quantitative Research Methods in the Social Sciences	4,4

G. Suggested Tracks:

Applied: for majors interested in applied mathematics in the physical and engineering sciences, actuarial sciences, or business

MAT 332	Mathematical Statistics
MAT 344	Probability
MAT 346	Differential Equations
MAT 352	Mathematical Modeling
MAT 325	Numerical Analysis
MAT 348	Complex Variables

One approved upper level course in another discipline (See F)

Teaching: for majors considering a career in secondary education

MAT 233	Discrete Mathematics
MAT 310	Modern Geometry
MAT 332	Mathematical Statistics
MAT 344	Probability
MAT 386	History and Philosophy of Mathematics
MAT 352	Mathematical Modeling

Bachelor of Science Degree

Graduate: for majors considering graduate study in mathematics

MAT 442	Introductory Analysis II
MAT 458	Topology
MAT 461	Abstract Algebra II
MAT 348	Complex Variables

H. Concentration in Computer Science:

The following Computer Science courses are required. Nine of these credits will fulfill the required 9 additional credits in science and mathematics (see E).

Credits

CSC 118	Introduction to Programming II (C++)	4
CSC 242	Data Structures	4
CSC 239	Scientific Computing	2
CSC 317	Introduction to Programming III	3
CSC 197	Computer Science Seminar	1

The following courses are required. They serve as partial fulfillment of the six elective courses in mathematics (see C):

MAT 233	Discrete Mathematics
MAT 325	Numerical Analysis
CSC 352	Analysis of Algorithms (Approved upper-level course in another discipline)
MAT 332	Mathematical Statistics
<i>or</i>	
MAT 348	Probability



Course Descriptions

Following are the courses offered in the undergraduate program. Not all courses listed are offered on both campuses nor are they necessarily offered every semester. Students should consult their faculty advisors and the course schedules prepared for each campus. Courses are listed alphabetically by discipline.

Courses numbered 100 to 198 are usually prerequisites to more advanced courses, and the student should plan a program in order that intermediate courses, numbered 200 to 298, can be scheduled after completing introductory courses. Courses, numbered 300 and above, are generally taken only by third and fourth-year students.

A hyphen separating two course numbers (e.g. 101-102) indicates that the course sequence must be taken in the order given. A comma separating course numbers (e.g. 101,102) indicates that the courses may be taken independently of one another in any order.

Recognizing that there are entering students who are not ready to do degree level work in one or more subjects, the University offers developmental level courses, numbered 011 to 099, which are designed to help students strengthen their preparation for learning at the college level.

**Students desiring such preparatory work may also enroll in the University summer session.*

ACCOUNTING (ACC)

ACC 121-122. INTRODUCTION TO ACCOUNTING. Basic principles of accounting; analysis and recording of business transactions; periodic adjustments; application of accounting principles to cash, receivables, inventories, investments, fixed assets, liabilities, and owner equity; operation and analysis of financial statements. Prerequisite: Successful completion of MAT 023 and 024 or a satisfactory score on the mathematics or accounting placement exam. *3-3 credits*

ACC 221-222. INTERMEDIATE ACCOUNTING. Types of problems important for financial management policies. Includes accounting for corporate net worth; investments and funds; inventories; tangible and intangible fixed assets; liabilities and reserves; and branch accounting. Prerequisite: ACC 122. *3-3 credits*

ACC 230. GOVERNMENTAL ACCOUNTING. General fund; general fund balance sheets and surplus statements; revenue accounting; general property taxes; bond funds; sinking funds; special assessment funds; cost finding. Prerequisite: ACC 122. *3 credits*

ACC 253. TAX ACCOUNTING. Coverage of federal and territorial tax laws; preparation of returns and record keeping for tax purposes; payroll taxes; tax accounting problems of individual and business. Prerequisite: ACC 221. *3 credits*

Course Descriptions

ACC 342. MANAGERIAL ACCOUNTING. The development and use of accounting data in managerial decision-making, planning and control. Topics include job, process and standard cost systems; cost-volume-profit analysis; differential and incremental analysis; contribution margin analysis; and capital budgeting. Prerequisites: Two degree-credit courses in MAT, ACC 122. *3 credits*

ACC 440-441. COST ACCOUNTING. A comprehensive study of the principles and practices of cost accounting. Emphasis is placed on the role of cost in managerial decision-making, planning and control. Topics include: determination and analysis of material, labor and overhead costs; cost allocation procedures; joint product and by-product costing; job order and process cost systems; the use of flexible budgets, responsibility accounting, standard costs and variance analysis in cost control; the application of distribution-cost analysis, cost-volume-profit analysis, differential and incremental cost analysis, and capital budgeting in cost-based decision-making. Prerequisites: Two degree-credit courses in MAT, ACC 122. *3-3 credits*

ACC 442. AUDITING. Fundamental principles, standards and working procedures of auditing; duties, responsibilities and ethics of the auditor; interpretation of financial statements, legal requirements and audit reports. Prerequisites: Two degree-credit courses in MAT, ACC 222. *3 credits*

ACC 443. ADVANCED ACCOUNTING. A study of the theory and application of accounting for branch operations, foreign operations, expansion by subsidiary companies, and various forms of consolidated statements. Also included are accounting for partnership formation; changes and liquidation; and accounting for estates and trusts. Prerequisites: Two degree-credit courses in MAT, ACC 222. *3 credits*

ACC 444. CPA REVIEW. A comprehensive review of generally accepted accounting principles and underlying postulates to prepare a qualified candidate to sit for the Uniform CPA Examination. Topics covered include: (1) Standards of auditing practice. (2) Uses and limitations of accounting data. (3) Business organization and operation. (4) Ethical standards. (5) Mathematics and statistics as used in accounting. (6) Principles of tax accounting. Prerequisites: Two degree-credit courses in MAT, 24 credits in ACC. *3 credits*

ACC 445. ACCOUNTING SEMINAR. An introduction to current controversies and unsolved problems in accounting. The course includes recent and historical views presented in the leading accounting and business periodicals. Prerequisite: ACC 443 or 24 credits in ACC. *3 credits*

ANTHROPOLOGY (ANT)

ANT 225. INTRODUCTION TO CULTURAL AND PHYSICAL ANTHROPOLOGY. A thorough examination of the concept of culture, the evolution of man and culture, human races, primitive culture and society. *3 credits*

ANT 226. INTRODUCTION TO ETHNOLOGY. The comparative study of social systems as different ways of life; an analysis of modern societies in Africa, Asia, Australia, Europe, Oceania, America; examination of selected cultures in the Caribbean. Prerequisite: ANT 225. *3 credits*

ANT 255, 256. AFRICAN CIVILIZATION. Historical survey of the several major culture areas of continental Africa. Comprises a comparative study of the ways by which the several African peoples treated have handled the basic problems of human existence: origin, self-realization and destiny. (Also listed as HIS 255, 256 and SOC 255, 256.) *3, 3 credits*

Course Descriptions

ANT 257, 258. THE BLACK EXPERIENCE IN THE NEW WORLD. A study of the slave trade, the conditions of slavery, and the process of Black acculturation in the New World since emancipation. ANT 256 is recommended as a preparatory course. (Also listed as HIS 257, 258 and SOC 257, 258.) *3, 3 credits*

ANT 355, 356. CULTURAL HISTORY OF WEST AFRICA. Deals with the cultural history of West African Sudan - the area between 7 and 17 degrees north latitude and extending from the northwestern border of Nigeria to the Atlantic Ocean. The period covered extends from the 7th to the 19th centuries which permits a discussion of the rise and flowering of (Also listed as HIS 355, 356 and SOC 355, 356.) *3, 3 credits*

ART (ART)

ART 117. BASIC DESIGN. Fundamentals of form, color, organization, structure, and visual perception in two dimensional design. *3 credits*

ART 125. SURVEY OF WORLD ART. Survey of the underlying principles of art and the relationships among the arts by tracing the development of painting, architecture and sculpture from their beginnings to the present; cultivation of appreciation and understanding of various periods, artists and media. *3 credits*

ART 126. SELECTED PROBLEMS IN WORLD ART. Focus is on some particular problem or approach, varying from semester to semester, such as Pre-Columbian, African, Caribbean, Modern Contemporary Art, etc. *3 credits*

ART 128. BASIC DRAWING. Freehand drawing employing pencil, charcoal, crayon and brush, and emphasizing selection of subject, line, perspective, value, texture and composition. 4 hours per week. *2 credits*

ART 150. PAINTING. Techniques, concepts, equipment and procedures in painting, developed through individual projects. 4 hours per week. *2 credits*

ART 217. DESIGN. Form, color, principles of composition, structure and visual perception in three dimensional design. Prerequisite: ART 117. *3 credits*

ART 228. DRAWING. Fundamentals of drawing, employing mixed media and use of color with an introduction to drawing the human figure. 4 hours per week. Prerequisite: ART 128. *2 credits*

ART 231. OIL PAINTING. Composition and techniques in oil paintings developed through individual projects. 4 hours per week. Prerequisite: ART 150. *2 credits*

ART 231. OIL PAINTING. Composition and techniques in oil paintings developed through individual projects. 4 hours per week. Prerequisite: ART 150. *2 credits*

ART 275. ARTS AND CRAFTS FOR ELEMENTARY TEACHERS. Fundamentals of form, color, structure and perception with practice in creative crafts, activities, and visual media appropriate for elementary school children. *3 credits*

Course Descriptions

BIOLOGY (BIO)

BIO 141-142. GENERAL BIOLOGY I-II. Basic principles of the life sciences providing the foundation for further study of biology. 3 lectures and 3 hours of laboratory weekly. Prerequisite: Successful completion of ENG 101/RCA 021 or satisfactory score on SAT for exemption. Corequisite: MAT 140 or MAT 143. *4-4 credits*

BIO 151-152. HUMAN ANATOMY AND PHYSIOLOGY I-II. An integrated study of human anatomy and physiology. 3 lectures and 3 hours of laboratory weekly. Not for credit toward the biology major. Prerequisite: Successful completion of ENG 101/RCA 021 or satisfactory score on SAT for exemption. *4-4 credits*

BIO 220. MARINE INVERTEBRATE ZOOLOGY. The evolutionary relationships, classification and life histories of major groups of marine Metazoa. Methods of collection, preservation and identification will be stressed in the laboratory sessions. 3 lectures and 6 hours of laboratory weekly. Prerequisite: BIO 142. (Also listed as MBI 220.) *5 credits*

BIO 223. ECOLOGY. Modern concepts of ecology. Structure and function at various levels of organization in ecosystems will be emphasized. Field and laboratory studies utilize local environments. Three 50-minute lectures per week and 3 hours of laboratory per week. Prerequisite: BIO 142. Offered every spring. *4 credits*

BIO 224. POPULATION BIOLOGY. A detailed consideration of natural populations, from static or ecological, and dynamic or evolutionary, viewpoints. 2 lectures and 6 hours laboratory weekly. Prerequisite: BIO 223. Generally offered in alternate years. *4 credits*

BIO 240. MICROBIOLOGY. Applied and medical microbiology, with emphasis on the bacteria, viruses, rickettsiae protozoa and fungi of particular significance to man. 3 lectures, 3 hours of laboratory and 1 hour of tutorials per week. Prerequisite: BIO 142 or BIO 152. Normally offered on the St. Croix campus only. *4 credits*

BIO 245. PRINCIPLES OF GENETICS. An overview of the principles of plant and animal genetics including Mendelian and modern concepts of heredity. Developments in molecular genetics will be addressed through the chemistry and physiology of the gene and the nature of gene action in procaryotic and eucaryotic cells. Three 50-minute lectures per week and 3 hours of laboratory per week. Prerequisites: BIO 142 and two semesters of college mathematics (MAT 142, MAT 143 or higher level) or equivalent. *4 credits*

BIO 261-262. HUMAN STRUCTURE AND FUNCTION I-II. A systematic examination of human structure and function with emphasis upon ultrastructural anatomy and molecular biology. 3 lectures, 1 tutorial and one 3-hour laboratory weekly. Prerequisite: CHE 112 or CHE 152. *4-4 credits*

BIO 295. RESPONSIBLE CONDUCT IN RESEARCH. Science and the conduct of scientific inquiry occur within a social structure that has evolved through trial and error. Responsible Conduct in Research uses case studies of practical circumstances where ethical issues arise to examine the social foundations of science. Recognizing and understanding ethical issues inherent in the conduct of research provides a context in which the role of social values shapes the questions we ask and the answers we seek. This course is open to only students majoring in Biology, Chemistry, Computer Sciences, Marine Sciences, Mathematics, Nursing and Psychology. Prerequisites: Completion of one introductory course in Biology, Chemistry, Computer Science, Marine Science, Mathematics, Nursing, or Psychology. *1 credit*

Course Descriptions

BIO 301. MICROBIOLOGY FOR THE HEALTH SCIENCES. The study of medically important microorganisms: their classification, morphological characteristics, physiology, life histories, diagnosis and control. In the latter part of the course, immunology, patterns of transmission and means of prevention of human infectious diseases will be emphasized, with particular attention to the problems of nosocomial infections and recent “new” diseases. 3 lectures and 3 hours of laboratory weekly. Prerequisites: CHE 112 or CHE 152 and BIO 142 or BIO 262. Normally offered on the St. Thomas campus only. *4 credits*

BIO 339. VERTEBRATE STRUCTURE. A survey of the development and comparative anatomy of vertebrates. Each organ system will be discussed in structural, functional and evolutionary terms. 3 lectures and 6 hours of laboratory weekly. Prerequisite: BIO 142. *5 credits*

BIO 342. ANIMAL PHYSIOLOGY. Animal Physiology is a basic undergraduate-level study of adaptive functions at cellular and systems levels with particular attention to ecological and evolutionary significance. It is a classical general physiology course that uses numerous animal systems to illustrate basic principles. The laboratory follows national trends towards project-based learning. Instead of a new laboratory project each week, students spend several weeks or more on projects such as investigating the metabolic costs of normal activity or measuring the effects of hormones on neural control of movement. Prerequisites: CHE 152 and one course in animal biology equivalent to MBI 220, MBI 222 or BIO 339. *4 credits*

BIO 346. ESSENTIALS OF MOLECULAR BIOLOGY. An integrated introduction to molecular topics in biology, along with basic background material in organic chemistry, biochemistry, genetics, and cell biology. 3 hours of lecture and 3 hours of laboratory each week. May not be taken for credit by B.S. Biology students. Prerequisites: BIO 142 and CHE 112 or CHE 152. Corequisite: BIO 245. *4 credits*

BIO 349. AQUATIC PLANT BIOLOGY. A comprehensive survey of aquatic plants with emphasis on marine algae. Classification, morphology, physiology and ecology of the major groups of algae and marine flowering plants are examined using local flora for selection of examples. 3 hours lecture and 3 hours field/laboratory per week. Prerequisite: BIO 142. *4 credits*

BIO 350. TERRESTRIAL PLANT BIOLOGY. An examination of plant life from fungi through angiosperms. Morphology, evolution, systematics and significant biological aspects of selected genera are emphasized, with examples taken from the local flora. 3 hours lecture and 3 hours field/laboratory per week. Prerequisite: BIO 142. *4 credits*

BIO 352. PLANT PHYSIOLOGY. Basic physiological processes of plants including photosynthesis, respiration, nutrition, growth, absorption and conduction. Three hours of lectures and 3 hours laboratory weekly. Offered in alternate years. Prerequisites: BIO 223 and CHE 152. *4 credits*

BIO 353. DEVELOPMENTAL BIOLOGY. An analysis of the component processes of development, growth, differentiation and morphogenesis, examined at both the cellular and organismal level. Early development of echinoderms and chordates included. 3 lectures and 3 hours laboratory weekly. Prerequisite: BIO 245. *4 credits*

BIO 355-356. BIOLOGY OF MICROORGANISMS I-II. The functional, ecological and evolutionary relations of microorganisms. 3 hours of lecture and 3 hours of laboratory weekly. Prerequisites: BIO 245 and CHE 254. *4-4 credits*

Course Descriptions

BIO 360. CELL AND MOLECULAR BIOLOGY I. A detailed look at the structure and function of cells, and the molecular biology of cells and multicellular organism. The laboratory portion of the class will introduce students to the techniques of modern cell and molecular biology laboratories, as well as to the foundations of cell and molecular biology research, through both directed and independent projects. Prerequisite: BIO 245. *4-4 credits*

BIO 370. EVOLUTION. Concepts of organic evolution; evidence for, and implications. 3 lectures weekly. Prerequisite: BIO 245. Generally offered in alternate years. *3 credits*

BIO 397. JUNIOR SCIENCE SEMINAR I. Introduces basic strategies and techniques for locating and presenting scientific information. Students conduct bibliographic searches of scientific literature. Students are required to attend selected presentations by faculty, visiting scholars and science majors. This course presents opportunities for exposure to scientific topics not normally covered in class and for the development of scientific thinking. Two 50-minute sessions per week. Prerequisite: Junior standing as a biology major. *1 credit*

BIO 398. JUNIOR SCIENCE SEMINAR II. Students Learn various methods for organizing materials for scientific presentation, such as preparing a poster based on a science journal article. Students are required to attend selected presentations by faculty, visiting scholars and science majors. This course presents opportunities for exposure to scientific topics not normally covered in class and for the development of scientific thinking. Two 50-minute sessions per week. Prerequisite: BIO 397 or equivalent. *1 credit*

BIO 421. CELL BIOLOGY. An introduction to current information and theories concerning the molecular machinery of the cell. The laboratory experience is designed to familiarize the student with recent approaches, techniques and results in modern cell biology through original literature studies and directed projects. 3 lectures and 3 hours of laboratory per week. Generally offered in alternate years. Prerequisites: BIO 245 and CHE 254. *4 credits*

BIO 460. CELL AND MOLECULAR BIOLOGY II. An examination of advanced topics in the function and interaction of cells and biomolecules. The molecular machinery of cells and control mechanisms will be addressed in depth. The laboratory portion will introduce students to more advanced and modern techniques through directed and independent projects. Prerequisites: BIO 360 and CHE 253. *4 credits*

BIO 465, 466. SELECTED TOPICS IN BIOLOGY. Electives in various biological fields, such as histology, entomology, plant pathology, biogeography and ichthyology. Prerequisite: To be announced with each topic. *3 to 4 credits*

BIO 495. DIRECTED INDEPENDENT RESEARCH IN BIOLOGY. Provides an opportunity for students, under the guidance of a faculty supervisor, to pursue scholarly research or studies in areas associated with their academic fields but outside of prescribed courses. Student and the prospective supervisor should develop and submit, for approval, a proposal to the Division Chair at least one month prior to the start of the course. For each hour of academic credit to be awarded, the student must have three hours of lab or study per week and one hour of consultation per week with the supervisor. Student may register for repeated enrollment in this course up to the maximum of six credits. Proposals must also include an evaluation plan. Prerequisite: Students must have completed at least 20 credits in some combination of BIO, MBL, CHE, PHY, CSC, MAT with a minimum grade point average of 2.5. Co-requisite: BIO 295. *1 to 4 credits*

Course Descriptions

BIO 496. INTERNSHIP/FIELD STUDIES. Provides an opportunity for students to earn academic credits for activities conducted outside of the University. Field studies, internships, summer research programs and career-related employment activities can qualify for credit under this course. Written proposals for such work must be developed by the student and the prospective field/employment supervisor and submitted to a divisional committee. Proposals must be submitted at least one month prior to the start of the course. The amount of academic credit to be earned will be determined by the committee based on the duration and quality of the experience, with a maximum of four credits through repeated enrollment. Prerequisite: Students must have completed at least 20 credits of biology courses with a grade point average of 2.5. Co-requisite: BIO 295. *1 to 4 credits*

BIO 497, 498. SENIOR SCIENCE SEMINAR I, II. A weekly seminar devoted to the exploration of current topics of interest in the various fields of science. Each student will present one seminar per semester. Two 50-minute sessions weekly. Required of all science seniors. Prerequisite: BIO 397, 398. *1, 1 credits*

BUSINESS ADMINISTRATION (BUS)

BUS 112. INTRODUCTION TO BUSINESS. Designed to prepare the student for a career in business administration and broaden student's understanding of the vital role of business in our society. A study of the types of business ownership, a broad overview of business operations and examination of the major segments of business administration. Prerequisites: successful completion of ENG 100/WAC 011 and ENG 101/RCA 021, or passing scores on the placement exams, or satisfactory SAT score for exemption. *3 credits*

BUS 114. BUSINESS MATHEMATICS. The application of basic mathematical skills to business problems, percentage, simple and compound interests, trade and cash discounts, aliquot parts, shortcut methods, taxes, insurance, depreciation. Prerequisites: Successful completion of the mathematics placement exam or MAT 023 and MAT 024, BUS 112. *3 credits*

BUS 213. SMALL BUSINESS MANAGEMENT. The administrative organization and management of small business with attention to sources of success and failure, records and credits, managing to sell, aspects of taxation and accounting. Prerequisite: BUS 112. *3 credits*

BUS 224. BUSINESS COMMUNICATION. Study and application of theory, principles, and the psychological processes governing effective business communication. Emphasis is placed upon the evaluating and writing of business memos, letters, and reports. Speaking, listening, and nonverbal communication skills are also covered. Use of word processing software is required for document preparation. Prerequisites: SPE 120, ENG 120, ENG 201. *3 credits*

BUS 231. PRINCIPLES OF MARKETING. Introduction to marketing management and analysis; distribution, promotion, pricing, product development, consumer motivation, and market research; case problems. Prerequisite: BUS 112. *3 credits*

BUS 234. ADVERTISING AND PROMOTIONAL STRATEGY. An examination of those advertising and promotional strategies directed toward the consumers of goods and services, with emphasis on planning and executing an effective campaign to achieve meaningful goals. Prerequisite: BUS 231. *3 credits*

Course Descriptions

BUS 241. PRINCIPLES OF MANAGEMENT. A study of the basic principles of business management emphasizing the decision-making approach; planning, organizing, directing, and control in the business enterprise. A history of the study of business management. Prerequisite: BUS 112. *3 credits*

BUS 242. PERSONNEL MANAGEMENT. Personnel management principles and practices; the role of the personnel department and its program; role of the operating supervisor and executives within the program; role of behavioral sciences in the functional areas of personnel management. Prerequisite: BUS 241. *3 credits*

BUS 251. BUSINESS LAW. Rules of law as they relate to business transactions, court systems and procedures, law of contracts, law of agency, employee-employer relations, law of negotiable instruments, law of sales, law of property, bailments, insurance and business organizations. Prerequisite: BUS 112. *3 credits*

BUS 321. FUNDAMENTALS OF FINANCE. An introduction to theory and technique for optimal investment of the capital resources of the firm under conditions of uncertainty. Topics include rate of return analysis, cost of capital theory and measurement, capital structure, dividend policy, promotion and reorganization. Prerequisites: Two degree-credit courses in MAT, ACC 122 and ECO 221, ECO 222. *3 credits*

BUS 323. INVESTMENT ANALYSIS. A study of investment policy for the individual and institutional investor. Topics include security analysis, theories of valuation, securities markets, sources of investment information, investment timing and portfolio management. Corequisite: BUS 321. *3 credits*

BUS 324. FINANCIAL MARKETS AND INSTITUTIONS. An examination of principles, function, and operations of the monetary and banking system, the structural relationship of major financial institutions, the flow of funds and determinants of interest rates. Corequisite: BUS 321. *3 credits*

BUS 325. STATISTICS FOR MANAGEMENT DECISIONS. A study of those areas of statistics which find widest application in problems of management. Students develop basic statistical theory and apply that theory to decision-making situations by means of examples and problems. Topics include graphical appreciation, index number theory, probability and hypothesis testing, analysis of variance, sampling techniques, regression theory, decision theory and forecasting. Prerequisites: MAT 232 and CIS 101. *3 credits*

BUS 326. PRINCIPLES OF MERCHANDISING. Organization, management, and operation of wholesale and retail enterprises; problems associated with store location and layout, buying, receiving, inventory and stock control, pricing and merchandising. Prerequisite: BUS 231. *3 credits*

BUS 330. PRODUCTION/OPERATIONS MANAGEMENT. The functions of management as related to the production of goods and services; plant layout; quality control; raw materials, from supply through the finished product. Prerequisites: BUS 241 and BUS 325. *3 credits*

BUS 336. LABOR MANAGEMENT RELATIONS. A study of the historical development of labor management relations in the American economy, with emphasis on problems relating to management and unions, industrial conflicts, collective bargaining, and the legal environment. Particular stress will be placed on cases drawn from experience in the Virgin Islands. Prerequisite: BUS 242. *3 credits*

Course Descriptions

BUS 422. INTERNATIONAL MARKETING. Marketing techniques and programs developed and implemented on an international scale; tariffs, social and cultural restrictions, economic and political environments, and legal restrictions; the international distribution system, international decisions and international market research. Prerequisite: BUS 231. *3 credits*

BUS 425. FINANCIAL POLICY AND STRATEGY. Application of financial theory and principles to formulate financial policies for a firm and the development of strategies for its implementation. The case method will be emphasized. Topics included are: mergers and acquisitions, divestitures, financial restructuring, venture capital, financial syndication, investment banking, international finance and financial innovations. Corequisite: BUS 323. *3 credits*

BUS 426. MARKETING RESEARCH. An introduction to the basic steps of research procedure as they would be applied in the field of marketing. Preparation and execution of an original field investigation; interpretation of the results and their application to a business situation. Prerequisites: BUS 231 and BUS 325. *3 credits*

BUS 429. ORGANIZATIONAL BEHAVIOR. A study of human behavior in an organizational context with emphasis upon the role of leadership, varieties of status systems, motivation and job design, group behavior, and analyses of organizational development change. Prerequisite: BUS 241. *3 credits*

BUS 434. PUBLIC POLICY TOWARD BUSINESS. The emergent patterns of state and federal legislation and the contemporary significance of changing public policies which affect business enterprise together with an identification and analysis from the historical and legal point of view of the rights and responsibilities of management, labor and the public. Prerequisites: Senior standing and BUS 251. *3 credits*

BUS 436. BUSINESS STRATEGY. A study of overall business strategy from the perspective of top management. The student will examine strategic goals, plans and actions of the business firm. Prerequisites: Senior standing and ACC 122, BUS 231, BUS 241, BUS 330 and BUS 321. *3 credits*

BUS 465, 466. SELECTED TOPICS IN BUSINESS. An elective course, designed for junior and senior undergraduate students in business administration. Includes areas of special interest in business. Individual topics will be announced at the beginning of each semester. May be repeated for credit under varying topics. Prerequisites: To be announced with each topic. *1 credit*

BUS 474. PROFESSIONAL DEVELOPMENT SEMINAR. Designed to prepare business students for their senior level work-study experience. Topics include resume preparation and application letters, job search skills, interviewing techniques, dressing for success, interpersonal relations and communication skills, values and ethics, meeting the public in person and on the telephone, professionalism and workplace etiquette. Prerequisite: Junior or senior standing. *1 credit*

BUS 475. UNDERGRADUATE INTERNSHIP IN BUSINESS. A work study program arranged on an individual student basis with participating organizations. Students will render periodic written and oral reports on their internship experience. Prerequisite: Senior standing and BUS 474. *2 credits*

Course Descriptions

BUS 499. INDEPENDENT STUDY. Study and individually directed special projects for the advanced student of business administration. Attention may be concentrated on any facet of the contemporary business environment as it relates to the individual student's career objectives. Prerequisite: Senior standing. *3 credits*

CARIBBEAN STUDIES (CAR)

CAR 465. SELECTED TOPICS. Includes the study of areas relevant to Caribbean Studies which do not warrant catalog inclusion on a long-term basis. Individual topics will be announced at the beginning of each semester. Prerequisite: To be announced with each topic. *3 credits*

CHEMISTRY (CHE)

CHE 111-112. PRINCIPLES OF CHEMISTRY FOR THE LIFE SCIENCES I-II. A survey of chemical principles with application to the life sciences and with special emphasis on organic chemistry and biochemistry. This course is not intended as a prerequisite for any other chemistry course. It will not satisfy the general education requirement for science. Four one-hour lectures per week in the first semester. Three 1-hour lectures and one 3-hour laboratory per week in the second semester. Prerequisites: MAT 140 or MAT 143 (may be taken concurrently) and successful completion of ENG 101/RCA 021 or a satisfactory score on the placement exam, or satisfactory SAT score for exemption. *4-4 credits*

CHE 151-152. GENERAL CHEMISTRY I-II. An introduction to chemical principles emphasizing atomic and molecular structure. Topics include the principal states of matter, stoichiometry, thermochemistry, kinetics, chemical equilibrium, oxidation-reduction, electrochemistry and the chemistry of the representative and transition elements. 4 hours of lecture and 3 hours of laboratory per week. Prerequisites: Successful completion of ENG 101/RCA 021 or a satisfactory score on SAT for exemption, and MAT 140 or MAT 143 which may be taken concurrently. *5-5 credits*

CHE 251. QUANTITATIVE ANALYSIS. A comprehensive course in the theory and application of chemical principles to analysis. Lecture topics include error analysis, gravimetric and volumetric methods, complex solution equilibria and electrochemistry. The laboratory consists of classical gravimetric and volumetric methods and analysis. 2 hours lecture and 6 hours of laboratory per week. Prerequisite: CHE 152. *4 credits*

CHE 252. INSTRUMENTAL ANALYSIS. Quantitative analysis using chemical instrumentation. Lectures cover major categories of instrumentation, including infrared, ultraviolet, and atomic absorption spectrophotometry, gas and high pressure liquid chromatography, nuclear magnetic resonance and mass spectrometry. The laboratory includes extensive experience with available instrumentation. 2 hours lecture and 6 hours laboratory per week. Prerequisite: CHE 152. *4 credits*

CHE 253-254. ORGANIC CHEMISTRY I-II. An introduction to organic chemistry. Topics will include the structure, nomenclature, physical and spectral properties of various classes of organic compounds and their chemical reactivities and syntheses. Organic reactions will be treated in a systematic manner, with emphasis placed on their mechanisms and energetics. 4 hours of lecture and 3 hours of laboratory per week. Prerequisite: CHE 152. *5-5 credits*

Course Descriptions

CHE 341-342. PHYSICAL CHEMISTRY I-II. Introduction to thermodynamics, atomic and molecular structures, chemical kinetics and elementary theory of chemical bonding. Three hours lecture and three hours laboratory work per week. Prerequisites: CHE 251, MAT 242, and PHY 241. *3 credits*

CHE 348. BIOCHEMISTRY. The application of chemical properties to life processes. The structure, biosynthesis and metabolism of carbohydrates, lipid, proteins and other classes of compounds are discussed. Four hours lecture and three hours laboratory work per week. Prerequisite: CHE 254. *5 credits*

CHE 397, 398. JUNIOR SCIENCE SEMINAR I, II. Topics of interest and importance to science majors will be presented by faculty, visiting scholars, and junior and senior science majors. An opportunity for exposure to scientific topics not normally covered in class and for the development of scientific thinking. Prerequisite: Junior standing as a chemistry or chemistry/physics major. *1/2, 1/2 credit*

CHE 432. INORGANIC CHEMISTRY. A survey of chemical properties of Main Group elements and the Transition Metals. Concepts developed in physical chemistry, such as bonding theory and thermodynamics are applied to the understanding of these properties. Coordination chemistry of the Transition Metals is emphasized and recent advances in this and other fields are discussed. Laboratory includes synthesis and characterization of a range of coordination compounds. Three hours lecture and three hours laboratory per week. Prerequisites: CHE 254 and CHE 342 (CHE 342 may be taken concurrently). *4 credits*

CHE 465. SELECTED TOPICS IN CHEMISTRY. Introduction to polymer Chemistry. Special properties of polymers will be studied both in bulk and in solution. Students will learn how polymers are synthesized, characterized and used to make novel materials. Prerequisite: CHE 253, co-requisite: CHE 254. *3 credits*

CHE 466. SELECTED TOPICS IN CHEMISTRY. Topics to broaden the experience of chemistry majors intending to enter graduate school. Individual topics will be announced at the time of registration. May be repeated for credit under varying topics. Prerequisites: to be announced with each topic. *2 to 4 credits*

CHE 495. DIRECTED INDEPENDENT RESEARCH IN CHEMISTRY. Provides an opportunity for students, under the guidance of a faculty supervisor, to pursue scholarly research or study in areas associated with their academic field but outside of prescribed courses. Student and the prospective supervisor should develop and submit for approval a proposal to the Division Chair at least one month prior to the start of the course. For each hour of academic credit to be awarded, the student must have three hours of lab or study per week and one hour of consultation per week with the supervisor. Student may register for repeated enrollment in this course up to the maximum of six credits. Proposals must also include an evaluation plan. Prerequisite: CHE 254 with a minimum grade point average of 2.5. *1 to 4 credits*

CHE 496. INTERNSHIP/FIELD STUDIES. Provides an opportunity for students to earn academic credit for activities conducted outside of the University. Field studies, internships, summer research programs and career-related employment activities can qualify for credit under this course. Written proposals for such work must be developed by the student and the prospective field/employment supervisor and submitted to a divisional committee. Proposals must be submitted at least one month prior to the start of the course. The amount of academic credit to be earned will be determined by the committee based on the duration and quality of the experience, with a maximum of four credits through repeated enrollment. Prerequisite: CHE 254 with a grade point average of 2.5. *1 to 4 credits*

Course Descriptions

CHE 497, 498. SENIOR SCIENCE SEMINAR I, II. A weekly seminar devoted to the exploration of current topics of interest in the various fields of science. Each student will present one seminar per semester. Meets one hour weekly. Required of all science seniors. Prerequisites: CHE 397, 398. *1, 1 credit*

COMPUTER INFORMATION SYSTEMS (CIS)

CIS 011. KEYBOARDING. Instruction in the use of touch typing, special keys and the mouse. Operating System, word processing and file management skills are introduced. Combined lecture/lab. This course partially prepares students for the computer literacy exam. Prerequisites: None. Format: 2 hours lecture. 1 hour tutorial. *2 non-degree credits*

CIS 021. COMPUTER SKILLS. This non-degree credit course is intended for students with minimal or no computer skills. Applications introduced include word processing, spreadsheets, personal information management, the Internet, keyboard and mouse skills. This course prepares students for the computer literacy exam. Prerequisites: None. Format: 2 hours lecture. 1 hour tutorial. *2 non-degree credits*

CIS 101. (formerly 146) BUSINESS SOFTWARE APPLICATIONS. Industry standard software including spreadsheets, database management systems, personal information management, the Internet, and word processing will be studied in depth. The capabilities, limitations and special features of operating systems are studied. Extensive out-of-class computer work is necessary. Prerequisites: successful completion of or exemption from MAT 023, MAT 024, ENG 100/WAC 011, ENG 101/RCA 021 and the computer literacy requirement. Format: 3 hours lecture and 1 hour tutorial. *3 credits*

CIS 121. DATA MANAGEMENT CONCEPTS. Designed to familiarize students with the capabilities of Data Base Management Software (DBMS) products. Emphasis is on products used with microcomputers. Instruction on application requirements and capabilities of various DBMS products, and the application of DBMS to solve data organization problems. Extensive out-of-class computer work is required. Prerequisites: CIS 300 and CIS 101 (CIS 101 may be taken concurrently.) *3 credits*

CIS 210. (formerly 110) BUSINESS INFORMATION SYSTEMS. Provides the knowledge necessary to understand and manage computers and information within contemporary business environments. the procedures for evaluating, testing and selecting appropriate software and hardware systems are considered. Ethical issues and human factors in information systems are considered. Prerequisites: (CIS 101 or CSC 117) and BUS 112. Format: Three hours lecture. *3 credits*

CIS 238. INTRODUCTION TO COBOL PROGRAMING. An introduction to the COBOL programing language, a applied to business programs and problems. The COBOL language syntax, grammar, coding and debugging techniques will be studied. Students will design and implement programs. Exclusive out-of-class computer work is required. Prerequisite CIS 300. *3 credits*

CIS 250. INTRODUCTION TO OPERATING SYSTEMS. An introduction to the basic principles of operating systems with emphasis on multiprogramming, resource allocation, memory management, process scheduling and file input and output. Basic operation control language, system utilities and their various techniques will be discussed. Prerequisite: CIS 121 or CSC 118. *3 credits*

Course Descriptions

CIS 270. COMPUTER SYSTEMS DEVELOPMENT. Analysis and design of computer systems for various business applications starting from conception through definition, design, implementation, test and acceptance. Project planning will be discussed in depth. Use of word processors, language applications, query systems, database systems and the application of centralization versus distributive processing will be included in the overall analysis of the systems. Prerequisites: BUS 112, CIS 115 and CIS 146. *3 credits*

CIS 280. SYSTEMS DEVELOPMENT PROJECT. The student will be required to undertake and successfully solve a data processing problem arising from an actual need in relation to either business or government under the direction and with the approval of a member of the faculty. The problem may be assigned by the instructor or solicited from the community. Prerequisites: CIS 236 or CIS 238, and CIS 270. *3 credits*

CIS 300. PROCESS DESIGN AND EVALUATION. Students learn to analyze and describe processes, extract problem descriptions from scenarios. Successful students will develop working instructions using logic structures and information bases. Business issues in process development are stressed. Students will produce some programming. Prerequisites: CIS 210. Three hours lecture. *3 credits*

CIS 310. ADVANCED BUSINESS SOFTWARE APPLICATIONS. Provides the knowledge and skills necessary for the advanced use of business applications with particular emphasis on logic, programming, macros, and transferring data or files between various application packages. Prerequisites: CIS 300 or CSC 117. Format: 3 hours lecture and 1 hour tutorial. *3 credits*

CIS 357. BUSINESS INFORMATION NETWORKS. Provides a marketable competence in contemporary business information network technologies including intranets, extranets and the Internet. Students will collect, process, organize and communicate information. Students will use multimedia and other intercommunication tools to facilitate interpersonal interactions. Prerequisites: CIS 310 or CSC 243. Format: 3 hours lecture and 1 hour tutorial. *3 credits*

CIS 410. BUSINESS SIMULATION AND MODELING. Basic principles of simulation and modeling with emphasis on the design and construction of various business models using high level programming languages and spreadsheet techniques. The use of modeling and simulation in the business decision-making process. Prerequisites: Two degree-credit courses in MAT, CIS 310. *3 credits*

COMPUTER SCIENCE (CSC)

CSC 111. USE OF COMPUTERS. This course provides an introduction to computer concepts and terminology, UVI computer resources, operating systems, e-mail, word processing, spreadsheets, database, graphics, Internet and computing ethics. It is appropriate for students with no previous background in computing who wish to apply microcomputer applications in their studies. Supervised labs provide students with (1) initial hands-on introduction to the UVI network and basic computer operations, (2) an overview of on-line resources, and (3) using e-mail. Students must complete additional lab assignments outside of class. *1 credit*

Course Descriptions

CSC 117. INTRODUCTION TO PROGRAMMING I. This course requires no previous programming background. Students will learn the use of a programming environment, which includes the program editor, libraries, and compiler. Students will learn the use of basic data types, statements, controls, and structures. A high-level computer programming language will be explored in the context of solving problems. Procedures and functions will be introduced while stressing the concepts of program modularity and top-down design. Students participating in this course must have acquired the skills of sending and receiving attached documents by email and they must be familiar with web browser navigation. Students are expected to access class resources on the Internet daily. It is strongly recommended that students have a computer with available access to the Internet. *4 credits*

CSC 118. INTRODUCTION TO PROGRAMMING II. This second course in programming represents a continuation of the basic language features and elementary problem solving of the course, Introduction to Programming I. Criteria for well-formed problem definitions are examined, and increasingly sophisticated problem solving strategies are explored as more advanced programming elements are introduced. Recursion is introduced and compared to iterative solutions in terms of program efficiency and program simplicity. Data files of more complex data types, the use of pointers, dynamic structures, and basic abstract data files are introduced. Top-down development of programming solutions, as well as concepts in program modularity, are further emphasized. The processes of program documentation, production, testing and maintenance are studied. This course establishes a foundation for professional programming and software engineering design skills. Prerequisite: CSC 117. *4 credits*

CSC 119. COMPUTER GRAPHIC APPLICATIONS. This course assumes the ability to enter, edit and display text, and focuses on the production and manipulation of graphic images. The student develops skills in the use of software application for painting, desktop publishing, line drawing and animation. Students acquire a working familiarity with computer-based communication systems through the use of electronic mail and electronic conferencing for joint projects and tutorial support. Students participating in this course must have acquired the skills of sending and receiving attached documents by email and they must be familiar with web browser navigation. Students are expected to access class resources on the Internet daily. It is strongly recommended that students have a computer with available access to the Internet. *1 credit*

CSC 197, 198. SEMINAR IN COMPUTER SCIENCE I, II. These seminars complement other computer science courses by developing concepts that integrate material across course boundaries and by considering new developments in computing and the social context of these developments. The courses emphasize critical thinking and integration of information from a variety of sources, and provide a forum for the student to develop and articulate ideas, concepts and professional opinions. *1, 1 credit*

CSC 239. SCIENTIFIC COMPUTER APPLICATIONS. This course develops understanding and skills in the use of computer applications and software as a tool for scientific work. An ability to enter, edit and display text and numeric data is assumed and the course focuses on the analysis of numeric data, the exploration of numeric and logical relationships, and the integrated use of application software packages to create, maintain and analyze databases. Monitoring of physical systems and acquisition of quantitative data through hardware interfaces is considered and exemplified. Students participating in this course must have acquired the skills of sending and receiving attached documents by email and they must be familiar with web browser navigation. Students are expected to access class resources on the Internet daily. It is strongly recommended that students have a computer with available access to the Internet. *2 credits*

Course Descriptions

CSC 240. HUMAN-COMPUTER INTERFACE DESIGN. An introduction to Human-Computer interaction, the theory of user interfaces, and the application of user interface theory to software design and engineering. The following topics are emphasized: input/output devices, characteristics of user interfaces, human factors, and programming tools for constructing user interfaces. Prerequisite: CSC 117 or equivalent introductory programming course or at least one year of professional programming experience. *2 credits*

CSC 241. INTRODUCTION TO COMPUTER ARCHITECTURE AND DIGITAL SYSTEMS. The representation and processing of data by logical circuits are developed from principles of boolean logic and binary arithmetic. A basic model of a computer CPU is extended to alternative bus architectures and approaches to I/O and memory access. Execution cycle processes are developed and alternative instruction sets are compared. Parallel, multiprocessor and distributed processing approaches are explored. Prerequisite: CSC 117 or CIS 115. *4 credits*

CSC 242. DATA STRUCTURES. An introduction to data structures, program specification and design emphasizing abstract data types and their implementation. Arrays, lists, queues, trees, and graphs will be examined along with their implementation for specific applications. Set operations involving abstract data types will be covered. A series of searching and sorting techniques using various data structures will be analyzed looking at efficiencies based on memory and runtime. Prerequisite: CSC 118 and either MAT 143 or MAT 140. *4 credits*

CSC 243. DIGITAL COMMUNICATIONS AND NETWORKS. This course establishes fundamental networking principles in connectivity, transmission, addressing and network management. Analysis and comparison of specific systems illustrates application of principles, and students acquire hands-on skills in the implementation, operation and maintenance of networks. User interfaces and information resources available through the Internet are explored and societal implications of communications and networks considered. Prerequisite: CSC 117 or CIS 300. *4 credits*

CSC 250. PRINCIPLES OF OPERATING SYSTEMS. This course introduces operating systems through the integration of concepts in data structures and computer hardware using a programming approach. Key operating system mechanisms such as memory management, scheduling, resources allocation, process control, and input-output operations will be explored through programming activities. Students will investigate, analyze, and implement hardware resource management approaches and algorithms. This course builds upon prior knowledge in data structures, object-oriented programming, and computer architecture hardware. A representational operating system will be developed in the courses using an object-oriented language to explore the interactions of system components. Prerequisites: CSC 118, CSC 241, CSC 242. Corequisites: CSC 243. *3 credits*

CSC 317. PROGRAMMING III. Project oriented instruction in program development, using a professional development environment. Extensive programming practice is provided in both individual and team contexts for development of applications and systems. Design issues addressed include object oriented programming systems, approaches to inter-operability and portability, design of module interfaces and definition of system test beds. Prerequisite: CSC 242. *3 credits*

Course Descriptions

CSC 332. DATABASES AND INFORMATION RETRIEVAL. The physical storage mechanisms of disk and tape hardware are established and abstract data types applied in the exploration of approaches to logical level storage and retrieval. The organization and implementation of basic file structures are considered with respect to speed and efficient use of storage capacity. Databases are analyzed as organizations superimposed on data stored using basic file structures. Principles of query systems are applied to information systems design and implementation and the Standard Query Language, SQL, is introduced. Distributed data systems and search engines are considered. Prerequisites: CSC 241, CSC 242. *3 credits*

CSC 352. ANALYSIS OF ALGORITHMS AND COMPLEX PROBLEMS. This course provides a theoretical treatment of complexity analysis of algorithms, complexity classes of problems, computability and undecidability, and an applied study of problem solving strategies and search strategies. Parallel and distributed algorithms are considered and the problems and methodologies of AI are introduced through study of problem state spaces, adaptive algorithms and heuristics, pattern recognition and deduction and inference. Prerequisite: CSC 118. *3 credits*

CSC 363. DOCUMENTATION AND TECHNICAL COMMUNICATIONS. Purpose and format of documentation accompanying software development, including user and reference manuals, on-line help, in-line program comments, training guides, RFPs, RFQs, testing plans and system specifications. Critical analysis of technical writing, development of appropriate and consistent style, and effective use of tools, such as word processors, grammar checkers, style guides, HTML editors and on-line help compilers. Prerequisites: ENG 112, CSC 118. *3 credits*

CSC 397, 398. JUNIOR SCIENCE SEMINAR I, II. Topics of interest and importance to science majors will be presented by faculty, visiting scholars, junior and senior science majors. An opportunity for exposure to scientific topics not normally covered in class and for the development of scientific thinking. Prerequisite: Junior standing as a computer science major. *1/2, 1/2 credit*

CSC 420. SOFTWARE ENGINEERING. An introduction to the principles and practice of the production of computer software products. The software life cycle is analyzed in terms of product specification and design, implementation and production support systems, testing and quality control. Orderly management based on documentation of planning, interfaces, jobs, tasks and products is emphasized. Human factors in the organization and deployment of professional teams are considered. Prerequisite: CSC 317 (Programming III). *4 credits*

CSC 430. KNOWLEDGE ENGINEERING AND EXPERT SYSTEMS. Theory and techniques in gathering and codification of knowledge. Logic programming, formula manipulation and predicate logic. Decision support systems. Deductive retrieval and natural language processing interfaces. Exemplar systems from implementations of expert systems. *3 credits*

CSC 433. COMMUNICATIONS SYSTEMS AND NETWORKS. Application of communications abstractions in major network systems: Unix, Windows NT and Netware. Server and workstation configuration and system generation. Fault diagnosis and performance monitoring. Comparisons of strategies and products are made and opportunities for hands-on practice are provided. Prerequisite: CSC 243. *3 credits*

Course Descriptions

CSC 434. PROGRAMMING LANGUAGE TRANSLATION. An in-depth study of the principles and design of programming language translation software. The major components of a compiler are discussed: lexical analysis, syntactic analysis, type checking, code generation and optimization. Alternative parsing strategies are presented and compared with respect to space and time trade-offs. Emulation and the linguistic implementation of virtual machine interfaces are considered. Prerequisites: CSC 333, CSC 317. *3 credits*

CSC 465. SELECTED TOPICS: INTRODUCTION TO HIGH PERFORMANCE COMPUTING: PARALLEL AND DISTRIBUTED COMPUTING. This course will introduce distributed and parallel programming techniques used to solve complex tasks with high performance, parallel architectures. The most relevant parallel and distributed models, algorithms and programming paradigms will be emphasized. Approaches to distributed parallel computing are analyzed by performance as well as adaptability to both the system architecture and scope of the task. Application domains requiring high performance approaches are identified and compared. Specific applications will be chosen and implemented based on the interests of the students in the class. The course will involve programming parallel algorithms implemented with high performance platforms available at the University of the Virgin Islands. Two 50-minute lectures per week and 100 minutes of programming activity per week. Prerequisite: CSC 317. *3 credits*

CSC 471. ISSUES IN THE COMPUTER PROFESSION. The computer science profession is placed in an historical and social context. Privacy, security, ethics, and professional responsibility, definition and protection of intellectual property, communications legislation, technical risks, and liability are among the topics of current professional concern addressed in this course. Prerequisites: Senior Standing in the computer science BSC program as indicated by completion of all CSC courses at the 300 level and below. *1 credit*

CSC 495. DIRECTED INDEPENDENT RESEARCH IN COMPUTER SCIENCE. Provides an opportunity for students, under the guidance of a faculty supervisor, to pursue scholarly research or study in areas associated with their academic field but outside of prescribed courses. The student and the prospective supervisor should develop and submit, for approval, a proposal to the Division Chair, at least one month prior to the start of the course. For each hour of academic credit to be awarded, the student must have three hours of lab or study per week and one hour of consultation per week with the supervisor. Students may register for repeated enrollment in this course up to the maximum of 6 credits. Proposals must include an evaluation plan. Prerequisite: Students must have completed at least 20 credits of computer science with a minimum grade point average of 2.5. *1 to 4 credits*

CSC 496. INTERNSHIP/FIELD STUDIES. Provides an opportunity for students to earn academic credit for activities conducted outside of the University. Field studies, internships, summer research programs and career-related employment activities can qualify for credit under this course. Written proposals for such work must be developed by the student and the prospective field/employment supervisor and submitted to a divisional committee. Proposals must be submitted at least one month prior to the start of the course. The amount of academic credit to be earned will be determined by the committee based on the duration and quality of the experience, with a maximum of 4 credits through repeated enrollment. Prerequisite: Students must have completed at least 20 credits of computer science courses. *1 to 4 credits*

CSC 497, 498. SENIOR SCIENCE SEMINAR I, II. A weekly seminar devoted to the exploration of current topics of interest in the various fields of science. Each student will present one seminar per semester. Meets one hour weekly. Required of all science seniors. Prerequisites: CSC 397, CSC 398. *1, 1 credit*

Course Descriptions

CONSTRUCTION TECHNOLOGY (CON)

CON 254. ARCHITECTURAL DRAWING. Development of a complete house plan, specifications, interior and exterior perspective. Two classes of three hours per week. Prerequisite: EGR 131. *3 credits*

ECONOMICS (ECO)

ECO 221. INTRODUCTION TO MACRO-ECONOMICS. Examines the major problems of economic stability, growth, unemployment, and the role of the government in controlling and regulating economic activity with particular focus upon fiscal and monetary policies. Prerequisite: General education mathematics requirement or equivalent competence established by examination. *3 credits*

ECO 222. INTRODUCTION TO MICRO-ECONOMICS. A thorough examination of price determination and how the market mechanism operates in allocating resources among alternative uses. Public policy in relation to business and labor. Prerequisite: General education mathematics requirement or equivalent competence established by examination. *3 credits*

ECO 225. MONEY AND BANKING. Analyzes the basic financial institutions, their functions and interrelationships. Emphasizes the central banking system and the impact of money aggregates and policy on interest rates and macro-economic behavior. Includes Caribbean systems and financial dualism. Prerequisites: ECO 221, ECO 222. *3 credits*

ECO 321. INTERMEDIATE MACRO-ECONOMIC ANALYSIS. Examines the major problems of economic growth and stability; develops major macro-economic models for analysis of the above problems. Prerequisites: ECO 221, ECO 222. *3 credits*

ECO 322. INTERMEDIATE MICRO-ECONOMIC ANALYSIS. Develops the economic efficiency model of resource allocation in the market system; covers all the major market structures; perfect competition, monopolistic competition, oligopoly, and monopoly. Prerequisites: ECO 221, ECO 222. *3 credits*

ECO 324. COMPARATIVE ECONOMIC SYSTEMS. A comparative analysis of the systems utilized to allocate resources with particular emphasis on the capitalistic and communistic systems. Prerequisites: ECO 221, ECO 222. *3 credits*

ECO 341. INTERNATIONAL ECONOMICS. Develops the theoretical tools for analyzing open economics: classical and modern trade and tariff models, balance of payments theory and the international monetary system. Special topics include West Indian migration, the multinational corporation, export dependence and CARICOM. Prerequisites: ECO 221, ECO 222. *3 credits*

ECO 360. ECONOMIC DEVELOPMENT. An introduction to the nature of the economic development process and the characteristics of underdeveloped societies. Includes analysis of the problems of structural transformation and the role of the public sector. Prerequisites: ECO 221, ECO 222. *3 credits*

Course Descriptions

ECO 401. PUBLIC SECTOR ECONOMICS. Focuses on the theory and policy of the public finance of the public sector. Essentially, the subject may be viewed as the micro-economic and macroeconomic rationale of government revenues and expenditures. Much of the thrust of the subject will be keyed to an understanding and evaluation of the public sector's budgetary process, controls, and implementation of expenditure policies; analyses of various types of tax structures, public debt and public sector accountability will all be analyzed. Emphasis will be on the Caribbean public finance structures. Prerequisites: ECO 321, ECO 322. *3 credits*

ECO 461. CARIBBEAN ECONOMIC PROBLEMS. A comparative analysis of contemporary Caribbean economics, emphasizing the resource and policy problems of development. Prerequisites: ECO 221, ECO 222. *3 credits*

ECO 465, 466. SELECTED TOPICS. An elective course designed for all social science students. Includes areas of special interest in economics. Individual topics will be announced at the beginning of the semester. Prerequisite: ECO 221. *3, 3 credits*

ECO 496. PRACTICUM IN ECONOMIC RESEARCH. Provides supervised experience in applying the tools of economic analysis to contemporary development problems and policy issues on both the micro and macro levels of economic behaviors. A comprehensive program must be submitted to the Division Chair no later than the sixth week of the semester prior to the semester in which the field work is to be undertaken. Prerequisites: Senior standing with Economics concentration, ECO 321 and ECO 322. *3 credits*

EDUCATION (EDU)

(Non-education undergraduate majors may take education courses if they have satisfied the same general education requirements.)

Inclusive Early Childhood Education*

EDU 108. UNDERSTANDING PATTERNS OF CHILD DEVELOPMENT - PRENATAL THROUGH TWO YEARS. This course will introduce the student to the variability in patterns of child development from conception through the child's second year of life and will discuss the major influences on prenatal and infant and toddler development. It will discuss the concepts of developmental domains and holistic development and the major theories of child development. It provides a core foundation of knowledge essential to students' current future occupational positions. Prerequisite: English 011-021. *3 credits*

EDU 109. UNDERSTANDING, DEVELOPING, AND ENHANCING APPROPRIATE ENVIRONMENTS FOR INFANTS AND TODDLERS - PRENATAL THROUGH TWO YEARS. This course introduces students to the concept of the developmentally appropriate environment, the importance of the child's family and/or caregivers and the use of natural environments as a focus for inclusionary early intervention practice. Prerequisite: English 011-021. *3 credits*

EDU 110. SUPERVISED PRACTICUM IN INFANT AND TODDLER DEVELOPMENT - BIRTH THROUGH TWO YEARS. Students will observe and participate under the supervision of qualified professionals in a variety of inclusive natural environment in which infants and toddlers and their families are served for three hours per week for nine weeks. Prerequisite: EDU 108 and EDU 109. *3 credits*

**The Inclusive Early Childhood Education program admits students as a cohort based on community need.*

Course Descriptions

EDU 113. UNDERSTANDING PATTERNS OF CHILD DEVELOPMENT - THREE TO SIX YEARS. This course will introduce the student to the variability in the patterns of child development from the young child's third birthday to sixth year of life. It will discuss the major influences on preschool childhood development and will examine the sources of variation in child development across the developmental domains. Prerequisite: EDU 108 and EDU 109. *3 credits*

EDU 114. UNDERSTANDING, DEVELOPING, AND ENHANCING APPROPRIATE Environment FOR YOUNG CHILDREN - THREE TO SIX YEARS. This course introduces students to the range of environment that preschool age children might experience and the opportunities and strategies, which can be used to promote inclusionary early childhood learning experiences and strategies as well as the key role of the family. Prerequisite: EDU 108 and EDU 109. *3 credits*

EDU 115. SUPERVISED PRACTICUM EXPERIENCE WITH YOUNG CHILDREN - THREE TO SIX YEARS. The practicum will provide opportunities for observing developmental patterns in preschool children with diverse abilities in inclusive preschool settings and provides opportunities for planning and implementing developmentally and individually appropriate activities. Students will observe and participate under the supervision of qualified professionals in a variety of inclusive natural environment in which infants and toddlers and their families are served. Prerequisite: EDU 113 and EDU 114. *3 credits*

EDU 214. FAMILY AND COMMUNITY RELATIONSHIPS. This course provides the basis for understanding patterns of family dynamics and behavior, and for building partnerships and effective collaboration with families to support the family's primary role in their young child's early development and education. *3 credits*

EDU 215. GUIDING CHILDREN'S EARLY BEHAVIOR. This course will introduce students to methods of child guidance and group management that foster the development of self-esteem, self-control and self-discipline/self-regulation in children in a developmentally appropriate context. *3 credits*

EDU 216. INCLUSIVE EARLY CHILDHOOD CURRICULA. This course will help the student learn how to plan, implement and monitor children's progress in developmentally appropriate activities in a variety of inclusive settings and in areas such as play, language, mathematics, science, social studies, health, safety, nutrition, art and music. *3 credits*

EDU 217. ETHICAL AND LEGAL ISSUES IN EARLY CHILDHOOD EDUCATION. This course will cover legal and social-ethical considerations relevant to inclusive early childhood education. *3 credits*

EDU 218. PRACTICUM IN DESIGNING AND IMPLEMENTING INCLUSIONARY EARLY CHILDHOOD PROGRAMS. The practicum will provide the student with opportunities to observe, develop and implement developmentally appropriate early intervention and early childhood education services, under the supervision of qualified professionals, in a variety of inclusive natural environment and preschool programs in which all young children and their families are served. Prerequisites: EDU 214, EDU 215, EDU 216, EDU 217. *3 credits*

EDU 235. PROMOTING LANGUAGE AND LITERACY IN EARLY CHILDHOOD. This course provides students with the research-based principles and practices for providing children through the age of five with a strong foundation in receptive and expressive language early reading and writing within a developmentally appropriate approach. Prerequisites: EDU 113 or EDU 230. *3 credits*

Elementary Education

EDU 221. FOUNDATIONS OF EDUCATION. This course is essentially an historical study of the role of education in the United States and the U. S. Virgin Islands. It is designed to assist the student with a variety of significant education literature and provide an opportunity to examine the basic ideas (philosophical, sociological and psychological) which have tended to give form and purpose to educational thought and practice in the United States and the U. S. Virgin Islands. Prerequisite: Sophomore standing. *3 credits*

EDU 230. EDUCATIONAL PSYCHOLOGY. An introduction to the ways in which psychological principles and theories of development apply to educational practice. The focus will be on the basic processes of development — cognitive, social and personality, moral, emotional, physical, language — from infancy through adolescence with special reference to their relationship to learning and instruction. The psychology of learning, motivation and social factors in education will also be considered. Prerequisites: Sophomore standing and PSY 120. *3 credits*

EDU 246. CURRICULUM AND TEACHING IN EARLY CHILDHOOD EDUCATION. This course covers the curriculum and teaching methods in early childhood education. It also studies the sociocultural and psychological factors relevant to curriculum development for young children ages 3 to 8. *3 credits*

EDU 257. MATHEMATICS AND THE ELEMENTARY TEACHER. This course is a joint offering of the Mathematics and Teacher Education Programs. The mathematics portion (3 hours per week) is a detailed examination of the mathematical content that is prerequisite for teaching elementary school mathematics. The development of methods and materials for the teaching of elementary school mathematics (1 hour per week) will be conducted by the Teacher Education faculty. Demonstration teaching and student teaching experiences are important aspects of all segments of this course. During the semester, concurrent field experiences under the auspices of the Education Division will consist of two hours weekly to assist selected faculty in a public elementary school with instruction in mathematics. Prerequisites: Mathematics general education requirement and EDU 250. (Also listed as MAT 257.) *5 credits*

EDU 302. INTRODUCTION TO SPECIAL EDUCATION. An introductory course designed to acquaint students with the habilitation and education of exceptional students. *3 credits*

EDU 349. METHODS OF TEACHING ENGLISH AS A SECOND LANGUAGE. This course is designed to develop a background in phonology, applied linguistics, and to develop audio-lingual and oral teaching methods for the teaching of listening, speaking, reading and writing skills in English as a second language with emphasis on teaching the Spanish-dominant student. Prerequisite: EDU 230. *3 credits*

EDU 350. INSTRUCTIONAL DESIGN AND TECHNOLOGY. Practice application of audiovisual methods and materials for instruction including the operation of equipment, computer uses and the planning and effective use of instructional technology with special emphasis on the development and use of training aids. Prerequisite: EDU 250 (may be taken concurrently). *2 credits*

Course Descriptions

EDU 353, 354. TEACHING THE LANGUAGE ARTS. Designed to instruct learners in the utilization of methods and materials for teaching reading and other language arts on levels K-8. It will also deal with the interrelatedness of the language arts skills (reading, writing, speaking, listening, study skills), reading in the content areas, grouping for instruction, informal diagnosis in the classroom, programmed reading research and demonstration techniques, developmental and remedial reading techniques, and components of a sound children's literature program. An entire semester will be devoted specifically to the teaching of reading. During one semester, concurrent field experiences will consist of a two-hour session per week assisting selected faculty in a public elementary school with instruction in the language arts. Prerequisite: EDU 250. *3, 4 credits*

EDU 452. STUDENT TEACHING IN THE ELEMENTARY SCHOOL. Designed to develop high level teaching competence through observation, participation, direct full-day teaching experience, and related conferences. Guidance towards the development of specified competencies will be provided by selected faculty of local public schools and the University supervisor. Problems and successes encountered during the practical experiences will be addressed in a weekly seminar conducted by the University supervisor. Prerequisites: Successful completion of (i) all other required Education courses with a minimum of grade "C" and (ii) the English Proficiency Examination. *9 credits*

EDU 499. INDEPENDENT STUDY. This course is designed to offer an opportunity and challenge for self-directed study aimed at developing the individual's ability as an independent student. It is intended to allow the advanced student, under the guidance of a full-time faculty member, to read, research and report in an area in which appropriate courses are not offered. Approval of a study outline by the faculty member and number of credits by the Chair is required prior to enrollment. *1-4 credits*

Elementary and Secondary Education

(The following courses are required for both elementary and secondary majors)

EDU 250. CURRICULUM DEVELOPMENT AND INSTRUCTION. A study of the theoretical bases of curriculum planning and design, and of the influences of learner, society and knowledge sources on the process of curriculum development and classroom instruction. Emphasis will be placed on the selection, planning and implementation of teaching strategies, methodologies and instructional materials appropriate for individualized and group instruction. Prerequisites: EDU 221, EDU 230 and admission to the Division. *3 credits*

EDU 351. CLASSROOM MANAGEMENT. Principles and practices for managing classroom behavior including preventive strategies, group and individual techniques, and social, cultural and psychological concerns. Emphasis is on the development of a personal philosophy and approach to effective classroom management. Prerequisite: EDU 250 (may be taken concurrently). *2 credits*

EDU 450. MEASUREMENT AND EVALUATION IN EDUCATION. Study of measurement and evaluation techniques appropriate to the assessment of classroom instruction. Emphasis will be placed on test construction, criterion-referenced and norm-referenced testing, and on alternative evaluative procedures used to measure and report student progress. Prerequisite: EDU 250. *2 credits*

Secondary Education

EDU 469. STUDENT TEACHING IN THE SECONDARY SCHOOL. Designed to develop high level teaching competence through observation, participation, actual teaching of a total class and related conferences, this course requires involvement for at least half of each school day under the joint supervision of selected public school faculty and the University supervisor. The course must be taken in conjunction with EDU 497. Prerequisites: Successful completion of (i) all other required Education courses with a minimum grade of "C" and (ii) the English Proficiency Examination. *6 credits*

EDU 497. SEMINAR IN SECONDARY TEACHING. A consideration of problems encountered in junior and senior secondary schools, and of strategies for teaching various subjects at this level. In-depth study and individual projects will relate to specific disciplines being taught concurrently and to major concepts connected with the practice of teaching at the secondary level. The seminar will be conducted by the supervisor of the student teaching experience and by visiting master teachers in relevant disciplines. The course must be taken in conjunction with EDU 469. Prerequisites: Successful completion of (i) all other required Education courses with a minimum grade of "C" and (ii) the English Proficiency Examination. *2 credits*

ENGINEERING (EGR)

EGR 110. INTRODUCTION TO ENGINEERING. A study of engineering, curricula, branches of engineering, basic concepts of engineering, professional ethics, and the engineer in society. This course provides the student with an introduction to: the engineering problem solving process; engineering analysis and design techniques; engineering calculations; statistical analysis; three-dimensional vectors; moments; equilibrium; work and energy; and DC circuit analysis. Three hours of lecture per week. Prerequisites: MAT 143 and MAT 142. *3 credits*

EGR 131. ENGINEERING DRAWING. Elements of mechanical drawing; orthographic projection; isometric and oblique sketching and drawing, primary and secondary auxiliary views, dimensioning detail and assembly drawings, graphic computations, plotting experimental data and empirical equations, graphic statics. One hour lecture and 6 hours laboratory per week. *3 credits*

EGR 132. ENGINEERING GRAPHICS. Fundamental principles of descriptive geometry involving lines, surfaces and intersections, with application of these principles to engineering problems. One hour lecture and 6 hours laboratory per week. Prerequisite: EGR 131. *3 credits*

EGR 141. PLANE SURVEYING. Measurement of distance, directions and elevations; care, adjustment and use of surveying instruments; methods of plane and geodetic surveys; field practice; calculations and mapping; triangulations; precise leveling; area and earthwork; circular curves; stadia, plane table and topographic surveys, and public land surveys. Three hours lecture and 3 hours field work per week. Prerequisites: EGR 131 and MAT 142. *4 credits*

EGR 211. STATICS. A study of forces and force systems and their external effect on bodies, principally the condition of equilibrium of particles and rigid bodies. Includes a study of distributed forces, centroids and center of gravity, moments of inertia, analysis of simple structures and machines, and various types of friction. The techniques of vector mathematics are employed and the rigor of physical analysis is emphasized. Three hours of lecture per week. Prerequisite: EGR 110 or PHY 241. Corequisite: MAT 242. *3 credits*

Course Descriptions

EGR 212. DYNAMICS. A study of the kinematics of particles and rigid bodies, kinetics of particles with emphasis on Newton's second law, energy and momentum methods for the solution of problems, and applications of plane motion of rigid bodies. Techniques of vector mathematics are employed. 3 hours of lecture per week. Prerequisite: EGR 211. *3 credits*

EGR 213. CIRCUIT ANALYSIS. A study of resistive circuits; Kirchoff's Laws; independent and dependent sources; nodal and mesh analysis; superposition; Thevenin's and Norton's theorems; maximum power transfer; natural response of RC, RL and RLC circuits; operational amplifiers; sinusoidal analysis and phasors. Three hours of lecture per week. Prerequisite: EGR 110. Corequisites: PHY 242, MAT 346. *3 credits*

ENGLISH (ENG)

ENG 051. FUNCTIONAL WRITING. Addresses several heuristics for the writing process. Students learn how to focus and develop a topic, practice techniques of elaboration, organize material, revise and edit papers. Much attention is given to proof reading, skills and basic mechanics of sentence, grammar and punctuation. Success in the course will be equivalent to passing the English Proficiency Examination. Prerequisite: ENG 201. *3 non-degree credits*

ENG 100/WAC 011. WRITING ACROSS THE CURRICULUM: AN INTRODUCTION. Explores the fundamentals of writing in an interdisciplinary context. Emphasizes grammar, punctuation, and mechanics in the context of active learning. Students write for instructors not only in the Humanities, but in the other divisions as well. (Students may test out at placement or with appropriate SAT scores.) *3 non-degree credits and 1 credit*

ENG 101/RCA 021. READING IN CONTENT AREAS: AN INTRODUCTION. Content Area Reading 021/ENG 101 offers a comprehensive program of reading and vocabulary in the content areas. It is linked to General Education I - The Caribbean: Social Dimension (SSC 100) and General Education II - The Natural World: The Caribbean (SCI 100). Literal and critical reading skills, conceptual vocabulary enrichment, and validated reading and study strategies are stressed. The course requires that students develop a portfolio of materials demonstrating mastery of the course's objectives. *3 non-degree credits and 1 credit*

ENG 108. EXPLORATION OF VIRGIN ISLANDS LITERATURE. An introductory survey of Virgin Islands creative writing in the context of a description of Virgin Islands culture. Students will investigate, through bibliographic research and critical reading, Virgin Islands literature in its socio-historical context. *3 credits*

ENG 120. ENGLISH COMPOSITION. English Composition is the intermediate writing course in the University's composition offerings. It develops critical thinking, investigative research and coherent ideas through the writing of analytical, literary and critical essays and the close reading of texts. Prerequisites: ENG 100/WAC or ENG 101/RCA, if required. *3 credits*

ENG 191. HONORS COMPOSITION. A course in expository writing for students who demonstrate considerable skill in English grammar and the fundamentals of essay organization and development. Students will develop and refine rhetorical style in the sentence, paragraph and essay, focusing upon the same essay types examined in ENG 111. Prerequisites: A superior score on the objective English placement exam and recommendation by placement exam essay readers; or recommendation by instructors of SPE 120, through the third week of the semester; or successful completion of CLEP for SPE 120 by transfer students or others who may wish to take such an honors composition course. *3 credits*

Course Descriptions

ENG 192. HONORS COMPOSITION. A course in persuasive and argumentative writing for students who demonstrate considerable ability in SPE 120 or ENG 191. Students will examine, analyze and evaluate persuasive and argumentative writings, study basic methods of research and apply these to a paper based on original research. Prerequisite: "A" average in SPE 120, or successful completion of ENG 191. *3 credits*

ENG 201. RESEARCH AND APPLIED WRITING. ENG 201 is the capstone course in the University-wide writing requirements. It is designed to ensure student competency with the principles and practice of effective writing. This course will prepare students to achieve proficiency in the use of standard writing formats for communication in the various disciplines offered in the University, including research, report writing, argumentation, technical writing, critical writing and other professional-level writing skills. Students will also be able to meet the qualifications for writing in graduate education. Prerequisite: ENG 120. *3 credits*

ENG 261. WORLD LITERATURE PART I. An interdisciplinary exploration of the short story and novel from a global perspective, the terminology of literary analysis, different critical approaches, and selected criticism leading to the production of aesthetic and critical analyses of works of fiction. Prerequisite: ENG 201. *3 credits*

ENG 262. WORLD LITERATURE PART II. An interdisciplinary exploration of poetry and drama from a global perspective, the terminology of poetry and drama, interdisciplinary critical approaches, and selected works of criticism leading to the production of aesthetic and critical analyses of works of poetry and drama. Prerequisite: ENG 261. *3 credits*

ENG 321. BRITISH LITERATURE. A survey of British literature through the eighteenth century, often presented thematically, and including a study of Old and Middle English language and literature, the Elizabethan writers, the metaphysical poets and the eighteenth century satirists. Prerequisites: ENG 261, ENG 262. *3 credits*

ENG 322. BRITISH LITERATURE. A survey of British literature of the nineteenth and twentieth centuries, often presented thematically, with particular emphasis upon Romantic, Victorian and modern poetry, fiction and essays. Prerequisites: ENG 261, ENG 262. *3 credits*

ENG 343. LANGUAGE THEORY. Covers a study of English grammars and an introduction to linguistics. Prerequisite: ENG 201. *3 credits*

ENG 344. ADVANCED WRITING. Covers expository writing, with particular attention to formal report writing. Prerequisite: ENG 201. *3 credits*

ENG 361. AMERICAN LITERATURE. A representative survey of American literary achievement from the colonial days to the present. Prerequisites: ENG 261-262. *3 credits*

ENG 362. MAJOR AMERICAN WRITING. An in-depth study of selected major works of American literature. Prerequisite: ENG 361. *3 credits*

ENG 363. BLACK AMERICAN LITERATURE. A study of the literary contributions of black writers from the early slave narratives through contemporary writing. Prerequisites: ENG 261, ENG 262. *3 credits*

ENG 371. CARIBBEAN LITERATURE. A study of representative works from the oral tradition, poetry and drama of the Caribbean area. Prerequisites: ENG 261, ENG 262. *3 credits*

Course Descriptions

ENG 372. CARIBBEAN LITERATURE. A study of representative works of prose fiction and literary criticism by Caribbean writers. Prerequisites: ENG 261, ENG 262. *3 credits*

ENG 465, 466. SELECTED TOPICS. Includes the study of areas of special interest in language and literature. Individual topics will be announced at the beginning of each semester. May be repeated for credit under varying topics. Prerequisite: To be announced with each topic. *3, 3 credits*

ENG 499. INDEPENDENT STUDY. Individual study and research under the direction of a member or members of the Division. Students will have a weekly conference with their advisors and do such readings and papers as may be required. Prerequisites: Students must have completed at least 20 credits in the subject area in question with a cumulative grade point average of 3.00. Students must secure consent of the Division Chair and advisor and the approval of a written proposal for projects prior to the end of the preceding semester. *3 credits*

FRENCH (FRE)

FRE 121-122. ELEMENTARY FRENCH. For students who have no previous knowledge of French and who wish to acquire a sound basis for the active command of the language. The first part of the course is devoted largely to aural training in the language and to the study of fundamental language concepts. Later in the course, students are introduced to cultural reading material with a view to increasing their oral and aural skills. Hand in hand with the development of these skills will go simple written exercises designed to increasing command of the language. *4-4 credits*

FRE 131. FUNCTIONAL ELEMENTARY FRENCH I. This course is designed to develop a basic level of competence in understanding and an acceptable level of competence in communicating in standard French. Its learning activities draw upon the broad range of state-of-the-art facilities and techniques, including videos, computer-assisted language practice and multi-media supported drills. This first course lays the foundation in phonology, vocabulary and grammar for effective command of the other two in this sequence. *4 credits*

FRE 132. FUNCTIONAL ELEMENTARY FRENCH II. This course is designed to develop in the second language learner a higher elementary level of competence in understanding and communicating orally and in writing standard French. The learning program is based on state-of-the-art videos, computer-assisted language activities and practice provided by multi-media resources. This second course builds upon the foundation laid by the introductory elementary course and continues to develop phonology, vocabulary and grammar in preparation for the intermediate and more advanced stages of the language. The development of language functions moves from ritualistic expressions to more complex usages in conversation. Prerequisite: FRE 131. *4 credits*

FRE 231. INTERMEDIATE FRENCH. An intensive review of oral and written composition, together with reading of selected modern short stories and poems, to be followed by reading of French masterpieces of classic literature. Oral and written reports in French will be required. Prerequisite: FRE 132. *4 credits*

FRE 305-306. ADVANCED CONVERSATION. Designed to develop oral fluency in French. It is conducted entirely in French. Current topics of cultural interest and global impact are assigned for research, presentation and discussion. Prerequisite: FRE 231. *3-3 credits*

Course Descriptions

FRE 311. ROMANCE LINGUISTICS. A groundwork is laid for studies in the development of the Romance languages. Some essential and practical concepts and applications of descriptive linguistics are studied. Methodologies for recording and analyzing languages are explored. Readings and reports are initiated on the history of the French language. Prerequisite: FRE 231. *3 credits*

FRE 312. ROMANCE LINGUISTICS. The development of grammatical structures and lexicons of French out of the Latin language is the subject of detailed study. The roles of sociolinguistics contact phenomena are also brought into perspective, as agents of language change. Theories on language origins and language change are evaluated, particularly in the light of creole developments. Prerequisite: FRE 311. *3 credits*

FRESHMAN STUDIES

FDS 100. FRESHMAN DEVELOPMENT SEMINAR. This course will provide an introduction to the nature of university education and an orientation to University functions and resources. It is designed to assist students in obtaining skills necessary for the attainment of their educational objectives. Group process will be emphasized. *1 credit*

SCI 100. THE NATURAL WORLD: THE CARIBBEAN. A topical examination of the natural world of the Caribbean. Included will be considerations of elements of Caribbean life associated with the natural world, with emphasis on their roots in the natural sciences. The approach is interdisciplinary, with a variety of learning strategies employed. Two hours of lecture and 3 hours of lab. Corequisite: ENG 100/WAC 011, ENG 101/RCA 021, unless exempted by SAT or placement tests. *3 credits*

SSC 100. AN INTRODUCTION TO THE SOCIAL SCIENCES: A CARIBBEAN FOCUS. A topical examination of the social dimensions of Caribbean cultures from the origins of human habitation to the present. Its interdisciplinary approach will emphasize the perspectives of the various social sciences, with attention also given to the arts of the Caribbean. A variety of teaching and learning strategies will be utilized. Two hours of lecture and 2 hours-workshop. Corequisite: ENG 100/WAC 011 and ENG 101/RCA 021, unless exempted by SAT or placement tests. *3 credits*

ENG 100/WAC 011. WRITING ACROSS THE CURRICULUM: AN INTRODUCTION. Explores the fundamentals of writing in an interdisciplinary context. Emphasizes grammar, punctuation and mechanics in the context of active learning. Students write for instructors not only in the Humanities, but in the other divisions as well. (Students may test out at placement or with appropriate SAT scores.) Four hours of lecture a week. *1 credit and 3 non-degree credits*

ENG 101/RCA 021. READING IN CONTENT AREAS: AN INTRODUCTION: Offers a comprehensive program of reading and vocabulary. It is linked to General Education I - The Caribbean: Social Dimension (SSC 100) and General Education II - The Natural World: The Caribbean (SCI 100). Literal and critical reading skills, conceptual vocabulary enrichment, and validated reading and study strategies are stressed. The course requires that students develop a portfolio of materials demonstrating mastery of the course's objectives. (Students may test out of placement or with appropriate SAT scores.) Four hours of lecture per week. *1 credit and 3 non-degree credits*

Course Descriptions

GEOGRAPHY (GOG)

GOG 121. PHYSICAL GEOGRAPHY. A systematic study of the more important characteristics of the earth's surface, including the elements of climate, world climatic types and their distribution, landforms and the seas, the resources of the earth, water, natural vegetation and animal life, soils, mineral fuels and ores. *3 credits*

GOG 122. CULTURAL GEOGRAPHY. Man and his environment: homeland and early migrations; modern migrations; present population distribution and problems; types of physical environment and man's adaptation to them; cultural diffusion; the spread of ideas, cultivated plants and the development of agriculture; the domestication and utilization of animals; the development of technology. *3 credits*

GOG 131. ECONOMIC GEOGRAPHY. A general survey of the world distribution of productive occupations, emphasizing its relationship to physical factors and economic conditions; the theory of industrial location and localization; world patterns of trade and communication. *3 credits*

GOG 232. GEOGRAPHY OF THE CARIBBEAN. A comprehensive geographical survey of the Caribbean lands: similarities and diversities in the region; factors of physical and historical geography underlying political fragmentation; economic geography, with emphasis upon land use; current Caribbean problems; population, industrialization, selected regional studies. *3 credits*

HISTORY (HIS)

HIS 171, 172. CARIBBEAN HERITAGE. Designed to give students a basic understanding and appreciation of the Caribbean and its cultural heritage. The course is a survey of the physical, political, social, economic, and cultural development of the Caribbean. *3, 3 credits*

HIS 181, 182. WORLD CIVILIZATIONS. A survey of the history of humankind from a global perspective, tracing its origins and development through neolithic settlements and the subsequent early civilizations into modern times. Attention is given to the origins of human culture and to the complex political, economic, social, religious and intellectual institutions as they coalesced and crystallized into civilizations in various regions of the planet. Among those are the proto-civilizations of the Near East and Africa, the subsequent civilizations of Europe, the East, Africa, the Western Hemisphere and the global system that has emerged in modern times. Prerequisite: Successful exemption or completion of ENG 101/RCA 021. *3, 3 credits*

HIS 255, 256. AFRICAN CIVILIZATION. Historical survey of the several major culture areas of continental Africa. Comprises a comparative study of the ways by which the several African peoples treated have handled the basic problems of human existence: origin, survival, self-realization and destiny. (Also listed as ANT 255, 256 and SOC 255, 256.) *3, 3 credits*

HIS 257, 258. THE BLACK EXPERIENCE IN THE NEW WORLD. A study of the slave trade, the conditions of slavery, and the process of Black acculturation in the New World since emancipation. HIS 256 is recommended as a preparatory course. (Also listed as ANT 257, 258 and SOC 257, 258.) *3, 3 credits*

HIS 320. HISTORY OF THE UNITED STATES. A study of the political, social and economic developments in the United States from the early colonial period to the present. *3 credits*

Course Descriptions

HIS 323. HISTORY OF RUSSIA. Origins and early history of Russia. Establishment of relations between Russia and Western European countries and Russia's expansion in Asia. The emergence of czarist Russia as a European and world power; Russia on the eve of revolution; the revolutions of 1917 and their impact upon Russian government, industry, agriculture, society and culture, Russian foreign policy since 1917. *3 credits*

HIS 324. HISTORY OF ASIA. History of the major countries of Asia from early times to the present day. Emphasis on changes in their internal social, political and economic conditions with an examination of Asia's contribution to world history; relations between Asia and Europe; Asia under European influence; the growth of nationalism and the establishment of independence; Asian domestic and foreign policies since independence. *3 credits*

HIS 330. UNITED STATES-CARIBBEAN RELATIONS. An examination of the historical relationship between the United States and the Caribbean from the colonial period. Emphasis will be placed on American policies toward the region and the ways in which those policies have affected American involvement in the internal affairs of Caribbean territories. The impact of the Caribbean on economic and social changes in the United States will also be examined. Various methodological approaches will be explored. *3 credits*

HIS 341. CARIBBEAN HISTORY. The history of the Caribbean area up to the present, with particular emphasis on the development of social, political and economic institutions important for understanding the contemporary Caribbean. *3 credits*

HIS 342. HISTORY OF THE VIRGIN ISLANDS. The history of the Virgin Islands up to the present, with particular emphasis on the development of social, political and economic institutions important for understanding the contemporary Virgin Islands. *3 credits*

HIS 350. LATIN AMERICA SINCE INDEPENDENCE. An analytical study of the main political, economic and social developments in Latin America since the beginning of the period of national independence. *3 credits*

HIS 355, 356. CULTURAL HISTORY OF WEST AFRICA. Deals with the cultural history of the West African Sudan: the area between 7 and 17 degrees north latitude and extending from the northwestern border of Nigeria to the Atlantic Ocean. The period covered extends from the 7th to the 19th centuries which permits a discussion of the rise and flowering of the various peoples involved: Ghana, Mali, Sosso, Songhay, Wolof-Serer and the Fulani. (Also listed as ANT 355, 356 and SOC 355, 356.) *3, 3 credits*

HIS 380. EUROPEAN EXPANSION AND IMPERIALISM. Deals with the conditions which led Europeans overseas, with the activities of Europeans in their own colonies and in independent countries, and with the effect of European expansion upon the societies outside Europe and upon Europe itself. The period covered extends from about 1400 to the present Europe and the overseas territories to each other. *3 credits*

HOTEL AND RESTAURANT MANAGEMENT (HRM)

HRM 132. FUNDAMENTALS OF TOURISM. An introduction to the broad fields of travel and tourism. Among the topics covered are the historical, economic, social, cultural, psychological and marketing aspects of human travel and the tourism industry globally, and with a special focus on the Caribbean with an overview of guest expectations in food service, nutrition concerns of today's consumers, menu management, automation, marketing, sanitation, and financial management. Problems specific to restaurant operations in a Caribbean environment will be examined. *2 credits*

Course Descriptions

HRM 232. HOSPITALITY SERVICES MARKETING. Provides students with basic knowledge to develop effective strategies and tactics specific to the marketing of hospitality services. Special emphasis will be placed on the development of a marketing plan for a Caribbean resort hotel to target and capture a specific niche within the leisure vacation market. Prerequisites: HRM 132, HRM 133, and HRM 134. *3 credits*

HRM 233. HOSPITALITY INDUSTRY COMPUTER SYSTEMS. A study of computer applications for lodging and food and beverage operations. Covers hotel property management systems for service as well as management-oriented functions. Examines generic applications software, reservations systems, and other essential components of property management systems. Prerequisites: HRM 132, HRM 133 and HRM 134. *3 credits*

HRM 234. HOSPITALITY INDUSTRY ACCOUNTING. This course exposes students to hospitality accounting concepts, hotel revenue and expense accounting, tip reporting, minimum wage requirements, financial statements, and how they apply to each specific operation within the hospitality industry. Special emphasis will be on the study of the Uniform System of Accounts for Hotels. Prerequisites: ACC 121-122; HRM 132, HRM 133, and HRM 134. *3 credits*

HRM 242. HOSPITALITY INDUSTRY PERSONNEL TRAINING. This course is designed to provide applications of proven training systems and methods for managers in the hospitality industry and covers the elements of training for a new or established hospitality operation. Topics covered include job analysis, job descriptions and specifications, training programs, coaching, counseling and performance reviews. Prerequisites: HRM 132, HRM 133, and HRM 134, and PSY 120 which may be taken concurrently. *3 credits*

HRM 243. FRONT OFFICE MANAGEMENT. This course presents a systematic approach to front office operations in a hotel with a step-by-step illustration of the guest cycle beginning with the reservation process and ending with the check-out and settlement of guest folios. Prerequisites: HRM 234 and HRM 233. *3 credits*

HRM 244. HOUSEKEEPING MANAGEMENT. Provides an overview of all aspects of housekeeping management principles and practices relative to the internal maintenance and cleaning of lodging facilities and supplies. Room preparation, cleanliness, record keeping, scheduling and inspection, and departmental organization will be covered. Prerequisite: HRM 242. *3 credits*

HRM 245. FOOD AND BEVERAGE COST CONTROL. The control of costs in food and beverage operations will be studied. Students will gain an understanding of the planning and control process focusing on products, labor, material, and sales income and learn to implement effective cost-control procedures. Sanitation management and strategies for avoiding food contamination and spoilage will be addressed. Prerequisites: HRM 233 and HRM 242. *3 credits*

HRM 246. BAR AND BEVERAGE MANAGEMENT. This course is designed to expose students to the identification, use and service of wines and other alcoholic beverages. The various elements of beverage operations including purchasing, control, merchandising and bar management are analyzed. Special emphasis will be placed on the management of service in food and beverage operations. Prerequisite: HRM 242. *3 credits*

Course Descriptions

HRM 250. INTERNSHIP. A work study program arranged on an individual student basis with participating hospitality organizations. Each student will be assigned an individual division faculty member as sponsor and counselor who will assist and supervise the student through his or her work study experience. Both the student and the sponsoring hospitality organization will establish practical learning goals and provide periodic feedback to the division on progress toward meeting these goals. Students will be required to render periodic written and oral reports on their internship experience. They will also be required to participate in professional development activities and internship seminars. Prerequisites: 18 credit hours of HRM courses. *3 credits*

HUMAN SERVICES

HMS 310. INTRODUCTION TO HUMAN SERVICES. This course is one of two dedicated courses that will be offered concurrently to concentrators in Human Services. Combined with its sister course, a practical field placement and seminar, this course will teach basic counseling skills and agency based intervention principles and techniques to neophyte human service workers and counselors. The theoretical underpinnings of the discipline, as well as opportunities for experiential learning both in interactive and field settings will be stressed. Prerequisites: Soc 224, Psy 203. Corequisite: HMS 375. *3 credits*

HMS 375. FIELD PLACEMENT AND SEMINAR. The course consists of a required placement for the student in a local agency providing human or social intervention, under appropriate supervision, and with opportunities for group and individual supervision as the student is developing basic skills in assessing problems, developing goals, and learning techniques for intervention. Corequisite: HMS 310. *3 credits*

HUMANITIES (HUM)

HUM 115. INTRODUCTION TO HUMANITIES. This interdisciplinary course provides students with exposure to seven fields within Caribbean Arts and Humanities: Music, Dance, Verse, Orality, Theater, Visual Arts and Film. Students will gain exposure to the breadth of values carried in artistic and other traditional media. This course is participatory and includes performance, discussion, lecture and demonstration. Prerequisite: SPE 120, ENG 120. *3 credits*

HUM 210. VIRGIN ISLANDS CULTURE. A Humanities-based interdisciplinary course, designed to develop in each student a fundamental understanding of the cultural history of the Virgin Islands, the context in which it developed and the challenges presently dictating its destiny. The primary content is the evolving cultural development of the people of the Virgin Islands, focusing on linguistic factors, narrative phenomena, the media, education, art, music, religion and ethics. Prerequisite: ENG 201. *3 credits*

HUM 497-498. SENIOR HUMANITIES SEMINAR. A weekly seminar devoted to the exploration of current topics of interest in the various fields of the humanities. Each student will present one seminar per semester. Meets one hour weekly. Required of all English, Spanish, Speech Communication and Theatre and Humanities seniors. Prerequisite: Senior standing in the Humanities. *1-1 credit*

Course Descriptions

JAPANESE (JAP)

JAP 121-122. INTRODUCTION TO JAPANESE. Students will develop and practice speaking and listening skills in Japanese. The course emphasizes the importance of speaking according to what is grammatically and culturally appropriate in a given setting, rather than through direct translation of what would be appropriate in your native language in a similar setting. No previous study of Japanese is required. *5-5 credits*

JAP 221-222. INTERMEDIATE JAPANESE. Intensive practice in Japanese conversation, emphasizing development of vocabulary, grammar and usage appropriate to cultural context. Kana and kanji writing will be introduced. Prerequisite: JAP 122. *5-5 credits*

JOURNALISM/MASS COMMUNICATIONS (JOU)

JOU 101. INTRODUCTION TO MASS MEDIA. An introductory course to acquaint the non-journalism student, as well as the journalism student, with the various media that communicate public information and mold public opinion. Newspapers, magazines, radio, television, trade publications, public relations and the motion picture field are surveyed. Considerable reading and analytical projects on these media are assigned. Prerequisite: Successful completion of ENG 100/WAC 011, or satisfactory score on the placement exam, or SAT exemption. *3 credits*

JOU 203. BASIC REPORTING AND NEWS WRITING. How to gather and write information for public dissemination through newspapers, broadcasting and public relations. Prerequisites: Grade "C" or better in ENG 201 and typing proficiency. *4 credits*

JOU 204. EDITING. News selection, preparation, display. Review of principles of grammar, logic, rhetoric. Editing of local copy, wire copy, headlines, make-up, news judgment. Use of standard reference books. Prerequisite: JOU 203. *4 credits*

JOU 302. AMERICAN AND CARIBBEAN JOURNALISM. Historical survey of journalism in the United States and Caribbean, and an examination of both print and broadcast journalism practices today. Prerequisite: JOU 101. *3 credits*

JOU 303. ADVANCED REPORTING AND NEWSWRITING. Designed to prepare students for entry-level jobs in journalism and journalism-related communications by teaching them to gather, write and edit the news from actual news sources, and to publish their stories under pressures of time. Moreover, this course will require them to develop structures for covering a small community or state that is underserved by news media. This could mean a college community or an island community. Prerequisite: JOU 203. *4 credits*

JOU 324. DESKTOP PUBLISHING. The student will use the computer to create, design and produce professional publications for print and electronic media. Students will be trained to use industry-standard computer applications for desktop publishing, computer-assisted drawing and design, and photographic preparation. Students will study principles of typography, graphical design and color theory. They will apply theory to practice in the creation of projects such as computer illustrations, infographics, advertisements, brochures and newsletters. Prerequisites: JOU 204 or CCS 119 or CIS 101, and ENG 201. *3 credits*

Course Descriptions

JOU 401. MASS COMMUNICATIONS LAW AND ETHICS. A course designed to examine the historical background of the concepts of freedom of speech and freedom of the press and the limitations that have been imposed on them by statute and by common law. The case study approach is used, but the emphasis is on the principles and the philosophy that underlie the landmark cases. Prerequisite: JOU 101. *3 credits*

JOU 402. PROFESSIONAL INTERNSHIP IN MASS COMMUNICATIONS. Practical experience in journalism in a supervised professional setting for which the student does not receive salary. Students enrolled in the course receive credit for professional experience in advertising, news-editorial and radio-television-film. Supervision is provided by the employer offering the professional experience. Credit hours will be based on Satisfactory-Unsatisfactory basis. Enrollment requires the consent of the instructor arranging the internship and of the Vice President for Academic Affairs. Limit of three hours of enrollment in a student's total course work. Prerequisites: Five Journalism/Mass Communications courses. *3 credits*

JOU 465, 466. SELECTED TOPICS. Designed for a variety of Journalism/Mass Communications topics that may be of special need in the region and of special interest to media students, including such topics as marketing and the mass media, propaganda, advertising media strategy, censorship and public opinion, magazine editing and production, editorial critical writing, East Caribbean radio news, media colonialism and control. Individual topics will be announced at the beginning of the semester. May be repeated for credit under various topics. Prerequisites: Five Journalism/Mass Communications courses. *3, 3 credits*

JOU 475. DIRECTED STUDIES. Designed to allow directed study under a journalism professional and to enable a student to pursue special projects of production or research that are not a part of a regular course. Permission of the instructor is required before the student enrolls. Prerequisites: Five Journalism/Mass Communications courses. *1 to 3 credits*

MARINE BIOLOGY (MBI)

MBI 220. MARINE INVERTEBRATE ZOOLOGY. The evolutionary relationships, classification and life histories of major groups of marine Metazoa. Methods of collection, preservation and identification will be stressed in the laboratory sessions. Three lectures and six hours of laboratory weekly. Prerequisites: BIO 141-142. (Also listed as BIO 220.) *5 credits*

MBI 222. ICHTHYOLOGY. The systematics, evolution and ecology of fishes with emphasis on tropical inshore coral reef fauna. Three lectures, one laboratory period per week. Prerequisites: BIO 141-142. *4 credits*

MBI 397. JUNIOR SCIENCE SEMINAR I. Introduces basic strategies and techniques for locating and presenting scientific information. Students conduct bibliographic searches of scientific literature. Students are required to attend selected presentations by faculty, visiting scholars and science majors. This course presents opportunities for exposure to scientific topics not normally covered in class and for the development of scientific thinking. Two 50-minute sessions per week. Prerequisite: Junior standing as a biology major. *1 credit*

MBI 398. JUNIOR SCIENCE SEMINAR II. Students Learn various methods for organizing materials for scientific presentation, such as preparing a poster based on a science journal article. Students are required to attend selected presentations by faculty, visiting scholars and science majors. This course presents opportunities for exposure to scientific topics not normally covered in class and for the development of scientific thinking. Two 50-minute sessions per week. Prerequisite: MBI 397 or equivalent. *1 credit*

Course Descriptions

MBI 424. MARINE ECOLOGY. Principles and procedures utilized in marine ecological research. Emphasis will be placed on the levels of organization and the interactions seen within and among marine ecosystems. Three lectures per week and three hours of laboratory which may take form of scheduled field trips. Prerequisites: BIO 223 and at least one of the following courses MBI 220, MSC 239, BIO 349 or MBI 222. *4 credits*

MBI 465. BIOLOGY OF MARINE VERTEBRATES. Offers students a survey of the scientific inquiry into the biology of marine mammals, marine birds, and marine reptiles of the world, with focus on Caribbean species. Emphasis will be placed on the ecology, evolution, adaptations, physiology, conservation, and management of these species. Prerequisite: 16 hours of laboratory science. *4 credits*

MBI 466. SELECTED TOPICS IN MARINE BIOLOGY. Selection may include marine biochemistry, ichthyology, phycology, microbiology, pollution ecology, fisheries biology, etc. Prerequisite: 16 hours of laboratory science. Specific prerequisites (depending on the topic), along with a course description, will be announced prior to preregistration time. *4 credits*

MBI 495. DIRECTED INDEPENDENT RESEARCH IN MARINE BIOLOGY. Provides an opportunity for students, under the guidance of a faculty supervisor, to pursue scholarly research or study in areas associated with their academic field but outside of prescribed courses. Student and the prospective supervisor should develop and submit for approval a proposal to the Division Chair at least one month prior to the start of the course. For each hour of academic credit to be awarded, the student must have three hours of lab or study per week and one hour of consultation per week with the supervisor. Student may register for repeated enrollment in this course up to the maximum of six credits. Proposals must also include an evaluation plan. Prerequisite: Students must have completed at least 20 credits in some combination of BIO, MBI, CHE, PHY, CSC, and MAT with a minimum grade point average of 2.5. Co-requisite: BIO 295. *1 to 4 credits*

MBI 496. INTERNSHIP/FIELD STUDIES. Provides an opportunity for students to earn academic credit for activities conducted outside of the University. Field studies, internships, summer research programs and career-related employment activities can qualify for credit under this course. Written proposals for such work must be developed by the student and the prospective field/employment supervisor and submitted to a divisional committee. Proposals must be submitted at least one month prior to the start of the course. The amount of academic credit to be earned will be determined by the committee based on the duration and quality of the experience, with a maximum of four credits through repeated enrollment. Prerequisite: Students must have completed at least 20 credits of BIO or MBI courses with a grade point average of 2.5. *1 to 4 credits*

MBI 497, 498. SENIOR SCIENCE SEMINAR I, II. A weekly seminar devoted to the exploration of current topics of interest in the various fields of science. Each student will present one seminar per semester. Two 50-minute sessions per week. Required of all science seniors. Prerequisite: MBI 397, 398. *1, 1 credit*

MARINE SCIENCE (MSC)

MSC 111. OPEN WATER SCIENTIFIC DIVING. A study of the fundamentals of the use of SCUBA for access to shallow marine coastal environments and for the study of marine organisms and ecosystems. One lecture and one three-hour training session weekly. Corequisite: A science course that satisfies the general education requirement. Prerequisites: satisfactory completion of a medical examination designed for divers and demonstration of adequate swimming capabilities. This course is designed primarily for science majors; non-science majors must have Division Chair's approval before registration. *1 credit*

Course Descriptions

MSC 211. RESEARCH DIVING. Designed to give the student the fundamentals of underwater navigation, surveying, search and light salvage techniques, underwater photography, and biological sampling techniques. One lecture and one three-hour field session per week. Prerequisites: BIO 142, MSC 111 (or previous open-water certification, with at least 10 logged SCUBA dives, and successful completion of both a swim test and a SCUBA proficiency test), certification of adequate medical health for SCUBA diving. *2 credits*

MSC 239. OCEANOGRAPHY. An introduction to physical, chemical, biological and geological oceanography. Major topics include properties of ocean water, instruments and observational methods, chemistry of sea water, ocean currents, surface and internal waves, fisheries biology, marine ecology, bathymetry and marine geology, beach processes, pollution problems and management of marine resources. Three lectures and one laboratory session per week, field trips. Prerequisites: BIO 141-142. *4 credits*

MSC 465, 466. SELECTED TOPICS. An elective course on topics in the marine science field, designed primarily (1) to educate undergraduates with junior or senior standing in areas of special interest, and (2) to meet regional needs. Selections may include marine technology, pollution problems, marine resource management and marine affairs. May be repeated for credit provided different topic is selected. Prerequisites: To be announced with each topic. *1 to 4 credits*

MATHEMATICS (MAT)

MAT 023-024. These two courses are designed to provide the basic skills necessary to succeed in university-level mathematics and mathematics dependent courses. They are intended only for students who have inadequate pre-university preparation in mathematics. Students whose college entrance examinations scores indicate possible weakness will take a mathematics diagnostic test on the first day of class to determine whether one or both of these courses will be required. Incoming students are encouraged to review their mathematics skills and knowledge so that they can demonstrate their preparedness for a mathematics course for credit towards a degree.

MAT 023. INTRODUCTION TO ALGEBRA CONCEPTS AND SKILLS, PART I. Conceptual understanding of numerical concepts and operations (signed numbers, fractions, decimals, percents); variables; equations; the geometric concepts of length, area, and volume. Elementary understanding of the function concept using numerical tables and graphs. Solution of first degree equations in one variable. Integer exponents; scientific notation; operations on polynomials. Emphasis is on conceptual understanding and problem solving in applications in context. *4 non-degree credits*

MAT 024. INTRODUCTION TO ALGEBRA CONCEPTS AND SKILLS, PART 2. Elementary study of linear and quadratic functions; integer and rational exponents and radicals; solutions of equations and inequalities. Emphasis is on conceptual understanding and problem solving in applications in context. Graphical, numerical, and algebraic approaches are used throughout and skills are used both as problem solving tools and as a source of problems. *4 non-degree credits*

Course Descriptions

MAT 140. COLLEGE ALGEBRA WITH APPLICATIONS. Students will be introduced to some of the basic ideas of Algebra and will apply these ideas through various projects based in industry, education, society, government, and to the natural and physical models of the world and its human environment. Logic and systematic approaches to problem solving will be emphasized including verbal, written, and symbolic descriptions of problems, approaches, and outcomes. Use of appropriate technology (e.g. Graphics Calculator) will be included within lectures and student assignments. Topics will include linear, quadratic, polynomial, discrete, exponential and logarithmic functions, reading and creating graphs, geometry, and applications of these topics. Prerequisite: Successful completion of Eng 101/RCA 021, MAT 023 and MAT 024 (or MAT 021 and MAT 022) a 490 or above SAT Math score or a satisfactory score on the mathematics diagnostic examination. *4 credits*

MAT 143. PRECALCULUS ALGEBRA. Fundamental concepts of college algebra and a preparation for calculus. Topics will include factoring, integer and rational exponents, simplifying algebraic expressions, solving equations and inequalities, the function notation, polynomial and rational functions, exponential and logarithmic functions, graphs of functions and applications. This course is designed for students majoring in science, engineering, and mathematics or intending to take MAT 241-242. While topics are the same as for MAT 141, there is more theoretical coverage and emphasis, a greater depth of understanding is required, and additional material on applications is included. Prerequisite: Successful completion of MAT 023 and MAT 024 (or MAT 021 and MAT 022) or a 490 or above SAT Math score or a satisfactory score on the mathematics diagnostic examination. *4 credits*

MAT 142. COLLEGE TRIGONOMETRY. Fundamental concepts of trigonometry and a preparation for calculus. Topics will include angle measurement, the circular functions and their graphs, laws of sines and cosines, solution of triangles, solution of trigonometric equations, and inverse trigonometric functions, applications to vectors and complex numbers. Prerequisite: MAT 143. *4 credits* (MAT 143 must be shown after MAT 142 because MAT 143 is a PRerequisite for MAT 142. These are the only MAT courses with this peculiarity.) *4 credits*

MAT 215. INTRODUCTION TO NUMBER THEORY. Spring. Topics covered will include mathematical induction, divisibility, prime numbers, congruences, some Diophantine equations and number-theoretic functions. Prerequisite: MAT 140 or MAT 143. *3 credits*

MAT 232. CALCULUS FOR BUSINESS AND SOCIAL SCIENCES. A calculus course with emphasis on techniques, graphs and applications rather than theory. Topics include functions; limits, continuity and rates of change; the derivative; exponential and logarithmic functions; anti-differentiation; the definite integral; and functions of several variables. Prerequisite: MAT 140 or MAT 143. *4 credits*

MAT 233. DISCRETE MATHEMATICS. Fall. Introduction to the basic concepts and applications of number systems; sets, mappings, and relations; logical deduction and mathematical induction; elementary counting principles; Boolean algebra; graphs and digraphs. Prerequisite: MAT 140 or MAT 143. *3 credits*

Course Descriptions

MAT 235. INTRODUCTORY STATISTICS WITH APPLICATIONS. Students will be introduced to statistical concepts and will be required to interpret and communicate the results of statistical analyses. They will apply these concepts through projects based in local industry, education, government, society, and natural and physical models of the world and its human environment. Topics include, but will not be limited to: introduction to technology for statistical analysis; graphical and descriptive techniques for summarizing data; measures of center; measures of spread; correlation; probability; design of experiments; sampling; analyzing relationships; statistical models; and hypothesis testing. Prerequisite: Successful completion of MAT 140 or 143 or satisfactory scores on department diagnostic examinations. *4 credits*

MAT 241-242. INTRODUCTION TO CALCULUS AND ANALYTICAL GEOMETRY I-II. Rates of change, derivatives, integration, transcendental functions, techniques of integration, determinants and linear equations, plane analytic geometry, hyperbolic functions, polar coordinates, vectors and parametric equations. Prerequisites: MAT 143-MAT 142. *4-4 credits*

MAT 257. MATHEMATICS AND THE ELEMENTARY TEACHER. This course is a joint offering of the Mathematics and Education Programs. The mathematics portion (3 hours per week) is a detailed examination of the mathematical content that is prerequisite for teaching elementary school mathematics. The development of methods and materials for the teaching of elementary school mathematics (1 hour per week) will be conducted by the Education faculty. Demonstration teaching and student teaching experiences are important aspects of all segments of this course. During the semester, concurrent field experiences under the auspices of the Education Division will consist of one two-hour session per week assisting selected faculty in a public elementary school with instruction in mathematics. Prerequisites: Mathematics general education requirement and EDU 250. (Also listed as EDU 257.) *5 credits*

MAT 261. LINEAR ALGEBRA. Fall. A study of systems of linear equations, echelon matrices and Gaussian elimination; matrix operations, inverses and determinants; vector spaces, subspaces, linear independence, basis and dimension, orthonormal bases; linear transformations, kernel and image, matrix representations, change of basis, eigenvalues, eigenvectors and diagonalization of symmetric matrices; applications. Prerequisite: MAT 241 (may be taken concurrently). *4 credits*

MAT 301. MODERN GEOMETRY. Fall, even years. A rigorous treatment of the basic concepts of Euclidean and non-Euclidean geometry including Euclid's axioms, Hilbert's axioms, hyperbolic geometry, Riemannian geometry, models, and the historical and philosophical implications of the study of non-Euclidean geometry. Prerequisite: MAT 242. *3 credits*

MAT 325. NUMERICAL ANALYSIS. Fall. Representation of numbers and rounding error; numerical solution of equations; quadrature; polynomial and spline interpolation; numerical approximation of functions; numerical solution of initial and boundary value problems. Prerequisites: MAT 261 (previously or concurrently) and knowledge of a programming language. *3 credits*

MAT 332. MATHEMATICAL STATISTICS. Spring, even years. A mathematically rigorous treatment of statistics. Topics will include probability distributions for discrete and continuous random variables, expected values, point and interval estimators, hypothesis testing, least-squares estimators and nonparametric tests. Prerequisites: MAT 242. *3 credits*

Course Descriptions

MAT 341-342. INTERMEDIATE CALCULUS I (Fall) and II (Spring). Polar coordinates, conic sections, indeterminate forms, improper integrals, Taylor's formula with remainder, sequences and series, vectors and analytic geometry in two and three dimensions, partial differentiation, directional derivatives, gradients, extrema, line integrals, multiple integration and applications. Prerequisite: MAT 242. *3-3 credits*

MAT 344. PROBABILITY. Fall, odd years. Probabilities of events on discrete and continuous sample spaces; random variable and probability distributions; expectations; transformations; simplest kind of law of large numbers and central limit theorem. The theory is applied to problems in physical and biological sciences. Prerequisites: MAT 242. *3 credits*

MAT 346. DIFFERENTIAL EQUATIONS. Spring. Solutions of ordinary differential equations; LaPlace transforms. Prerequisite: MAT 342 (may be taken concurrently). *3 credits*

MAT 348. COMPLEX VARIABLES. Spring of odd years. This course serves as an introduction to the theory of complex variables, covering the beginning topics considered standard for the subject. Topics include the algebra of complex numbers, geometry of the complex plane, elementary functions, Taylor and Laurent series, residue calculus, and conformal mapping. Corequisite: MAT 341. *3 credits*

MAT 352. Mathematical Modeling. Fall, odd years. Mathematical modeling of physical systems with examples drawn from diverse disciplines such as traffic flow, biology. Prerequisite: MAT 261. *3 credits*

MAT 362. ABSTRACT ALGEBRA I. Fall, odd years. A study of the elementary properties of groups, rings and fields. Definitions, properties and proofs will be emphasized. Prerequisites: MAT 261 and MAT 215 or MAT 233. *3 credits*

MAT 386. HISTORY AND PHILOSOPHY OF MATHEMATICS. Spring, odd years. A survey of mathematics in its historical and cultural milieu. Prerequisite: MAT 241-242. *3 credits*

MAT 397, 398. JUNIOR MATHEMATICS SEMINAR I, II. Topics of interest and importance to mathematics majors will be presented by faculty, visiting scholars, senior mathematics majors, and junior mathematics majors. An opportunity for exposure to mathematics not normally covered in class and for the development of mathematical thinking. Prerequisite: Junior mathematics major. Corequisite: MAT 341. *1/2, 1/2 credits*

MAT 441. INTRODUCTORY ANALYSIS I. Spring, odd years. An introduction to mathematical analysis. Rigorous treatment of limits, continuity, and differentiation analysis. Prerequisite: MAT 341. *3 credits*

MAT 442. INTRODUCTORY ANALYSIS II. Fall, odd years. A continuation of Mat 441. Rigorous treatment of integration, infinite series, and function sequences. Prerequisite: MAT 441. *3 credits*

MAT 458. TOPOLOGY. Fall, even years. Sets, closed sets, open sets, homeomorphisms and continuous mappings, connectedness, compactness. An introduction to homology theory. Corequisite: MAT 341. *3 credits*

MAT 461. ABSTRACT ALGEBRA II. Spring, even years. Selected topics in algebra, including groups, integral domains, fields, field extensions and module theory. Prerequisite: MAT 362. *3 credits*

Course Descriptions

MAT 465, 466. SELECTED TOPICS. Dependent upon the needs and interests of the students and faculty. Topics may include advanced study in linear algebra, complex analysis, geometry, real analysis, mathematical probability, statistics, or mathematical education. Prerequisite: To be announced with each topic. *3, 3 credits*

MAT 496. INTERNSHIP/FIELD STUDIES. Provides an opportunity for students to earn academic credit for activities conducted outside of the University. Field studies, internships, summer research programs and career-related employment activities can qualify for credit under this course. Written proposals for such work must be developed by the student and the prospective field/employment supervisor and submitted to a divisional committee. Proposals must be submitted at least one month prior to the start of the course. The amount of academic credit to be earned will be determined by the committee based on the duration and quality of the experience, with a maximum of four credits through repeated enrollment. Prerequisite: MAT 341 with a cumulative grade point average of 2.5. *1 to 4 credits*

MAT 497, 498. SENIOR MATHEMATICS SEMINAR I, II. Topics of interest and importance to mathematics majors; an opportunity for development of independent skills. Prerequisites: MAT 397, MAT 398 and senior mathematics major. Corequisite: MAT 441. *1, 1 credit*

MAT 499. INDEPENDENT STUDY. Reading and problem-solving in a non-elementary area of mathematics not otherwise available for the student. May be repeated for credit provided different topics are studied, but a student may not accumulate more than five credits. A written proposal must be submitted by the student. Prerequisites: Permission of a full-time faculty member and approval of the Mathematics Coordinator. *1 to 3 credits*

MUSIC (MUS)

Music Theory

MUS 101-102. SIGHT SINGING/EAR TRAINING I-II. The study of basic sight singing/ear training/diction of isolated rhythms, intervals, single melodic lines, and melodic rhythmic passages for three and four part harmonies. Prerequisite: The successful completion of the Music Theory Entrance Examination or MUS 124. Corequisites: MUS 103-104. *1-1 credits*

MUS 103-104. MUSIC THEORY I-II. The study of functional harmony including scales, modes, intervals, chords, sight-seeing, melodic-harmonic dictation and elementary compositional techniques. Prerequisite: Successful completion of placement exam in music theory or MUS 124. *3 credits*

MUS 124. INTRODUCTION TO MUSIC. Nature of music expression and elements of music including rhythm, melody, harmony, form and color. *3 credits*

MUS 201. MUSIC THEORY III. The use of non-harmonic tones, augmented sixth chords and seventh chords including the study of harmonic progression and modulation. Prerequisite: MUS 104. *3 credits*

MUS 202. MUSIC THEORY IV. A course in harmonization, modulation, chord extensions, analysis and keyboard harmony. Prerequisite: MUS 201. *3 credits*

MUS 302. FORM AND ANALYSIS. A study and analysis of music literature including a review of music materials and their functions in musical form. Prerequisite: MUS 301. *2 credits*

Course Descriptions

MUS 401. ORCHESTRATION AND ARRANGING. A study of the fundamentals of writing for vocal and instrumental ensembles including voicings, instrumentation, registration and the technical limitations of various orchestral instruments. Prerequisite: MUS 302. *3 credits*

Music History and Literature

MUS 206, 207. MUSIC HISTORY AND LITERATURE. A survey of the major style periods in Western art music from antiquity to the 20th century. Chronological examination of works by principal composers. Outstanding stylistic characteristics in each period are differentiated against the backdrop of historical and sociological development. Prerequisite: MUS 104. *3, 3 credits*

MUS 290. MUSIC LAW. Examination of the United States code pertaining to copyright. Basic principles of music contracts and taxation as they relate to the creative musician. Study of American Federation of Musicians' regulations as they relate to the performing and non-performing musician. *2 credits*

Music Education/Education

MUS 311. CONDUCTING TECHNIQUES. A study in fundamental conducting techniques; observation and practice in conducting choral and instrumental ensembles including problems in score reading and transposition. *3 credits*

MUS 312. TEACHING MUSIC IN THE ELEMENTARY SCHOOL. A study of the general music curriculum, material, activities and vocal music instruction for primary and intermediate grades. For music majors only. (Also listed as EDU 312.) *3 credits*

MUS 321. BRASS AND PERCUSSION METHODS. Fundamentals of playing and teaching brass and percussion instruments to students in elementary and secondary school instrumental music programs. *2 credits*

MAT 322. WOODWIND METHODS. Fundamentals of playing and teaching woodwind instruments to students in elementary and secondary school instrumental music programs. *2 credits*

MUS 411. TEACHING MUSIC IN SECONDARY SCHOOLS. A study of the music curriculum, methods and materials in junior and senior high school general music, vocal and instrumental music programs. Instruction in music theory and literature at the senior high school level emphasizing the use of instructional and program objectives. For music majors only. (Also listed as EDU 411.) *3 credits*

EDU 412. STUDENT TEACHING AND SEMINAR IN MUSIC. Provides observation, participation and direct teaching-learning situations in various phases of elementary and secondary school music and music-related activities under the joint supervision of a University music instructor and public school classroom teacher. Prerequisites: MUS 312 and MUS 411 with a minimum grade of "C" in each. (Also listed as EDU 412.) *6 credits*

Music Performance

MUS 132. CONCERT BAND. The study and performance of standard and contemporary literature for concert band. Three hours per week. Prerequisite: Audition. (May be repeated for credit.) *1 credit*

Course Descriptions

MUS 133. JAZZ ENSEMBLE. Study and performance of standard and experimental literature from all styles of the Afro-American idiom. Emphasis on Caribbean, jazz and jazz/rock styles. Three hours per week. Prerequisite: Audition. (May be repeated for credit.) *1 credit*

MUS 134. STEEL BAND ENSEMBLE. A review of the historical background of pan and the study and performance of standard and contemporary literature for steel band with emphasis on Caribbean and West Indian repertoire. Prerequisites: Knowledge and skill on the steel pan, and admission by audition. *1 credit*

MUS 151-152. CLASS GUITAR. Basic instruction in guitar performance for beginners and intermediate guitarists. The courses are designed for non-music majors and community residents interested in studying folk and popular guitar styles. *1-1 credit*

MUS 161-162, 261-262, 361-362, 461-462. APPLIED MUSIC. Vocal, keyboard and instrumental instruction in the student's principal area of music study. The areas of instruction are as follows: voice, piano, woodwinds, brass and percussion. One hour lesson per week. Courses must be taken in sequence. Prerequisite: Declaration of major in music or audition. *1-1, 1-1, 1-1, 1-1 credit*

MUS 173-174, 273-274. SECONDARY PIANO. Instruction in elementary piano technique. All major and minor scales in four octaves in addition to major and minor chords and arpeggios. Required of voice and instrumental majors. Courses must be taken in sequence. Prerequisite: Declaration of major in music or audition. *1-1, 1-1 credit*

MUS 175-176, 275-276. SECONDARY VOICE. Instruction in elementary voice technique. Study of vocal anatomy, development of proper breathing, breath control and posture in addition to all vowels and consonants. Required of piano majors. Courses must be taken in sequence. Prerequisite: Declaration of major in music or audition. *1-1, 1-1 credit*

MUS 181-182. CLASS PIANO I-II. Instruction in fundamentals of keyboard performance consisting of scales, chords, arpeggios and basic piano literature. For non-music majors. *1-1 credit*

MUS 183. CLASS VOICE I. A course for the non-music major interested in learning basic vocal theory aiming to master basic fundamentals in singing which includes learning to recognize and solve vocal problems. *1 credit*

MUS 184. CLASS VOICE II. A course for the non-music major interested in learning performance techniques. *1 credit*

MUS 242. CONCERT CHOIR. The study and presentation of standard and contemporary choral literature for mixed voices. Choral training and performances at concerts, University ceremonies and functions. Three hours per week. Prerequisite: Audition. (May be repeated for credit.) *1 credit*

MUS 281. CLASS PIANO III. Designed to serve as a continuation of MUS 182. Instruction will be given on the intermediate level in keyboard performance and music theory through the study of scales, chords, arpeggios, music terms and selected piano literature. For non-music majors. Prerequisite: MUS 182. *1 credit*

MUS 282. CLASS PIANO IV. Designed to serve as a continuation of Music 281. Instruction will be given on the advanced level in keyboard performance and music theory through the study of scales, chords, arpeggios, music terms and selected piano literature. For non-music majors. Prerequisite: MUS 281. *1 credit*

Course Descriptions

MUS 283. CLASS VOICE III. A course for the non-music major interested in learning the components of artistry in singing. *1 credit*

MUS 284. CLASS VOICE IV. A course for the non-music major interested in becoming familiar with and examining song literature for different voice types. *1 credit*

NATURAL SCIENCE (NSC)

NSC 101. FOUNDATIONS OF NATURAL SCIENCE I. A review of the underlying concepts common to all of the natural sciences, with emphasis on the interrelationships of natural phenomena. Principles and applications from astronomy, chemistry, earth sciences and physics will be considered. 3 hours lectures and 3 hours of laboratory weekly. Some lab sessions may take the form of scheduled field trips. Prerequisite: ENG 101/RCA 021 or a satisfactory score on the placement exam, or SAT exemption. Corequisite: MAT 141 or MAT 143. *4 credits*

NSC 102. FOUNDATIONS OF NATURAL SCIENCE II. An introduction to living systems with a focus on the molecular basis of life, the diversity of living organisms, the mechanism of species changes and the ecology of natural populations and communities. Further emphasis will be placed on the natural history of the Caribbean region and current topics in human biology. Three lectures and 3 hours of laboratory weekly. Some lab sessions may take the form of scheduled field trips. Prerequisite: NSC 101 or CHE 151 or PHY 211 or PHY 241. *4 credits*

NSC 103. OCEANS AND MAN. An introduction to the physical, chemical and biological aspects of the ocean with emphasis upon the interrelationship between man and the ocean. Three lectures and 3 hours of laboratory weekly. Some lab sessions may take the form of scheduled field trips. Prerequisite: NSC 101 or CHE 151 or PHY 211 or PHY 241. *4 credits*

NSC 104. ASTRONOMY. A study of the properties and theories of evolution of the earth, sun, solar system, galaxy and universe with emphasis on the experimental techniques employed by astronomers. Three lecture hours and three hours of laboratory weekly. Astronomical observations will constitute an important part of the laboratory exercises. Prerequisite: MAT 140 or MAT 143. *4 credits*

NSC 200. TOPICS IN THE NATURAL SCIENCES. Current topics in various scientific fields primarily for non-majors. The specific topic of each course will be listed in the class schedule. Topics might include galaxies, current geological processes, Caribbean biogeography, molecular structure, oil and its by-products, man and the environment, human biology, resources and man. May be repeated for credit provided different topics are selected. Prerequisite: One year of science. *3 credits*

NURSING (NUR)

NUR 011. BASIC SCIENCE CONCEPTS FOR NURSING. This course is designed to expose students to the basic concepts of the general sciences in order to better prepare them for successful completion of the required science courses in the nursing program. It includes the concepts of basic biology, chemistry, physics, and anatomy. Approaches to problem solving, time management techniques, study aids and study techniques, as they relate to the sciences, are also presented. *2 non-degree credits*

Course Descriptions

NUR 021. STRATEGIES FOR SUCCESS IN NURSING. This course is designed to expose the pre-nursing student to the basic principles and concepts necessary for the successful completion of NUR 131/132. Development of student awareness of communication skills and principles of health are introduced. Critical thinking and problem solving are incorporated throughout the course of study. *2 non-degree credits*

NUR 100. MEDICAL TECHNOLOGY. This course is designed to include the basic structure of medical words, including prefixes, suffixes, roots, combination forms and plurals. Pronunciation, spelling and definitions of medical and pathophysiological terms related to all body systems are emphasized. *1 credit*

NUR 113. CLARIFICATION OF THE SOCIAL SELF. In this course the student will explore communication and listening, conflict-resolution, assertiveness and decision-making as they apply to individuals in an interpersonal context. Values clarification and ethical decision-making exercises will be used in structured and unstructured group learning activities, as well as readings and discussion. Prerequisites: ENG 100/WAC 011, ENG 101/RCA 021, or SAT exemption. *3 credits*

NUR 120. FOUNDATIONS OF NURSING. This introductory course is designed to acquaint the student with the philosophy and conceptual framework of the nursing program. Foci of the course will be on the history of nursing, the nursing process, man and his environmental interaction as a dynamic unit, life events as they affect clients' movement toward their optimal potential, and the communication process. Definitions of nursing are explored in order to increase the student's understanding of the nurse's diverse roles in providing health care. Prerequisite CHEM III. *2 credits*

NUR 121. CONCEPTS OF NURSING. Intended for graduate or registered nurses entering the BSN program, the course is designed to prepare the student to utilize concepts of communication, professionalization and the nursing process as they relate to the conceptual framework of the curriculum. Focus will be on health, man and man's environmental interactions. Students will reflect on their experiences in order to explore a definition of nursing. This exploration will serve as a basis for examining the evaluation and projected expectations of nursing roles in terms of professional practice. *2 credits*

NUR 131. NURSING SKILL ACQUISITION. This associate degree nursing course introduces the student to all the assessment, therapeutic and collaborative-teaching skills identified by the faculty to be the responsibility of the registered nurse. This is a campus nursing skill lab course in which the student is introduced to the art of nursing. One lecture hour and 6 clinical laboratory hours per week. Prerequisites: SSC 100, FDS 100, WAC 011/ENG 100, RAC 021/ENG 101, PSY 120, BIO 151-152, NUR 100, Computer Literacy Examination, BCLS certification. Corequisites: NUR 132, BIO 240. *3 credits*

NUR 132. INTRODUCTION TO THE NURSE-CLIENT SYSTEM. This associate degree nursing course introduces the multiple roles of the nurse within a system's theory framework. Particular emphasis is placed on the role of the nurse as provider of care and the use of the nursing process to maintain or improve client health. Focus is on the elements of the internal and external environment which can affect health and how these can be assessed and modified. Pharmacology and nutrition are introduced as two important factors which can influence health. Nursing is explored in a variety of health care delivery systems, including community-based and acute care settings. 3 lecture hours and 3 clinical laboratory hours per week. Prerequisites: SSC 100, FDS 100, WAC 011/ENG 100, RAC 021/ENG 101, PSY 120, BIO 151-152, NUR 100, Computer Literacy Examination, BCLS certification. Corequisites: NUR 131, BIO 240. *4 credits*

Course Descriptions

NUR 142. NCS: ADULT I. This associate degree nursing course focuses on introductory concepts for the nursing care of adult clients with environmental factors affecting selected aspects of their health. A systems approach to the client/environment is utilized in both a classroom and clinical application setting. 5 lecture hours and 12 clinical laboratory hours per week. Prerequisites: NUR 131, NUR 132, BIO 240. Corequisite: PSY 202. *9 credits*

NUR 242. NCS: ADULT II. This associate degree nursing course presents advanced concepts necessary for the nursing care of the adult client who has complex or multiple environmental factors negatively impacting his health. There is a theoretical and clinical component with the student assuming responsibility for the nursing care of an increased number of clients in a variety of settings. Two lecture hours and 12 clinical laboratory hours per week. Prerequisites: NUR 142. *6 credits*

NUR 243. NCS: CHILDBEARING FAMILY. This associate degree nursing course focuses on the knowledge and concepts necessary for the care of the childbearing family who is experiencing normal pregnancy, childbirth and neonatal adaptation to extrauterine life. The concept of anticipatory guidance and the role of the nurse as a teacher are emphasized. 2.5 lecture hours and 4.5 clinical laboratory hours per week. Prerequisite: NUR 142. Corequisite: NUR 242. *4 credits*

NUR 244. NCS: MENTAL HEALTH. In this associate degree nursing course, the student utilizes the nursing process and therapeutic communication to care for clients with common environmental factors affecting their mental health. Special emphasis is given to the role of manager of care, including advocacy and collaboration, in acute care and community mental health settings. The role of manager in the mental health care delivery system is introduced. As member within the discipline, students explore the legal and ethical framework in the mental health setting. 2.5 lecture hours and 4.5 clinical laboratory hours per week. Prerequisite: NUR 242. *4 credits*

NUR 245. NCS: CHILD. This associate degree nursing course presents pediatric concepts applied in caring for the child/family as the child progresses through the different stages of development and is, therefore, vulnerable to complex factors that may affect health. The student assumes accountability for the nursing care of children/families in a variety of settings. 2.5 lecture hours and 4.5 clinical laboratory hours per week. Prerequisites: NUR 242, NUR 243. *4 credits*

NUR 246. NCS: MANAGEMENT. This associate degree nursing course emphasizes the nurse's role as manager of care. The student is introduced to the knowledge and skills required for the provision of integrated cost-effective care to clients by coordinating, supervising and/or collaborating with members of the multi-disciplinary health care team. 1 lecture hour and 3 clinical laboratory hours per week. Prerequisites: NUR 242, NUR 243. Corequisites: NUR 244, NUR 245. *2 credits*

NUR 207. HUMAN NUTRITION. This foundation course groups the various aspects of the science of nutrition into major areas: from basic nutritional science through discussions of the safety and adequacy of the food supply, interrelations of nutrients and metabolism, malnutrition during physiologic stress, nutrition in the prevention and treatment of disease and the application of nutrition practice. This course is designed for the nursing curriculum. However, the scientific facts of basic nutrition can be effectively utilized by students of other disciplines. Prerequisite: CHE 112 *2 credits*

Course Descriptions

NUR 208. FUNDAMENTALS OF NURSING. Fundamentals of Nursing introduces the student to the implementation of the nursing process with the well client. Focus is on the development of therapeutic nurse/client relationships and the learning of basic knowledge. The student will learn to initiate and execute the nursing process with the goal of fostering the client's independence and maximizing his current state of health. The student is introduced to basic clinical nursing skills. Attention is also given to developing professional behaviors. The student will interact in a variety of settings with clients who are experiencing wellness and/or minimal alterations in their health states. Three and a half hours lecture and seven and a half hours laboratory per week. Prerequisites: NUR 120, CHE 112, ENG 120. Corequisites: PSY 202, BIO 261, NUR 207, and current CPR certification. *6 credits*

NUR 209. HEALTH ASSESSMENT. Develops knowledge and skills necessary to conduct a physical assessment of an adult client. Will focus on data collection with emphasis on skills of history taking, inspection, auscultation, palpation and percussion. One hour lecture and three hours clinical laboratory per week. Prerequisites: NUR 120, NUR 121. Corequisite: BIO 261 NUR 208 or Exempt status. *2 credits*

NUR 228. NURSING ROLES WITH THE CHILDBEARING FAMILY. Presents theory essential to giving nursing care to families as they move through the childbearing cycle. Students will provide nursing care to mothers, neonates, and infants as they experience alterations in health states. Students will be given the opportunity to provide nursing care to families in a variety of health care settings, including the hospital, prenatal, postpartum/family planning, and newborn clinics. Clinical skills will be the focus of the campus lab. Three hours lecture and nine hours clinical laboratory per week. Prerequisite: NUR 208, NUR 209. Corequisites: BIO 262, PED 113 or current CPR certification. *6 credits*

NUR 229. PHARMACOLOGY IN NURSING. The focus in this course is the instruction of clinical pharmacology and drug therapy for client care management. Students are taught the principles of pharmacology and its application to the nursing process. Three hours lecture each week. Prerequisite: NUR 208. *3 credits*

NUR 308. NURSING ROLES IN ADULT CARE I. Focuses on the nurse's role as caregiver through the use of the nursing process in assessing and managing care of adult patients with medical and surgical problems. Laboratory experiences are gained in acute care settings. Three hours lecture and six hours laboratory each week. Prerequisites: NUR 228, NUR 229. Corequisite: BIO 301, PED 113 or current CPR certification. *5 credits*

NUR 309. NURSING ROLES IN PEDIATRIC CARE. Focuses on the nurse's role as caregiver with clients who range in age from infancy through adolescence experiencing acute and chronic health care problems. Clinical experiences will be in the hospital and clinic settings. Three hours lecture and six hours laboratory each week. Prerequisites: NUR 228, NUR 229. Corequisite: BIO 301, PED 113 or current CPR certification. *5 credits*

NUR 318. NURSING ROLES IN MENTAL HEALTH. This course focuses on the nursing care of clients of all age groups with psychological disturbances. In addition, the nurse's role in the promotion of mental health will be addressed. Psychodynamics of specific client behaviors will be identified and analyzed. Clinical experiences will be in a variety of mental health settings. Three hours lecture and six hours laboratory per week. Prerequisite: NUR 308 or NUR 309. Corequisite: PED 113 or current CPR certification. *5 credits*

Course Descriptions

NUR 319. NURSING ROLES IN ADULT CARE II. Focuses on nursing management of the middle aged and older adult. There will be an emphasis on chronic conditions and rehabilitation. Students will explore how aging affects the physical, psychosocial and spiritual aspects of health. Clinical experiences will be in acute and extended care facilities. Three hours lecture and six hours laboratory per week. Prerequisites: NUR 308 and NUR 309. Corequisite: PED 113 or current CPR certification. *5 credits*

NUR 417. NURSING ROLES IN ADULT CARE III. Focuses on nursing management of complex medical/surgical conditions. There will be an emphasis on acute conditions that affect clients from all age groups. Students will have the opportunity to practice nursing interventions in a variety of acute and critical clinical settings. Three and a half hour lecture and seven and a half hours laboratory per week. Prerequisites: NUR 318 and NUR 319. Corequisite: PED 113 or current CPR certification. *6 credits*

NUR 418. NURSING ROLES IN COMMUNITY HEALTH. Focuses on the study of the family and the community as societal groupings and as consumers of health care services. Population aggregates will be analyzed in order to facilitate the application of the nursing process to various families and communities. Clinical experience will be in distributive care settings. Three and a half hours lecture and seven and a half hours laboratory per week. Prerequisites: NUR 318 and NUR 319. Corequisite: PED 113 or current CPR certification. *6 credits*

NUR 419. NURSING RESEARCH. The basic research process will be identified and described. Application of the basic research steps to the formulation and execution of research projects in the nursing literature will be studied. Students will be expected to utilize their knowledge of the research process and basic statistics to critique nursing studies and independently identify nursing research problems. Prerequisites: All 300-level Nursing courses Corequisite: MAT 235. *3 credits*

NUR 422. ISSUES IN NURSING. Will focus on professional issues including ethical, moral and legal aspects as they relate to nursing practice. The basic aim is to acquaint the student with those situations in which the nurse's functions and responsibilities are affected by one's values and contemporary society. The course will assist the student in gaining a self awareness of those beliefs and attitudes which will impinge upon his or her performance as a member of the nursing profession. Prerequisite: All 300-level Nursing courses. *2 credits*

NUR 424. NURSING LEADERSHIP/CLINICAL ELECTIVE. Various nursing leadership roles appropriate for the beginning professional practitioner will be identified and examined. Topics relevant to the nurse's enactment of specific leadership roles will be discussed. The clinical elective experience will provide an opportunity for the student to enact the role as a nurse leader to effect positive alterations within health care delivery. Roles may include those of charge nurse/clinical manager, teacher, staff developer, consumer advocate, small group leader, investigator or change agent. The student and professor jointly will select an appropriate setting in which course objectives can be fulfilled. Two hours lecture and nine hours laboratory per week. Prerequisites: NUR 417, NUR 418. Corequisites: PED 113 or current CPR certification. *5 credits*

OFFICE SYSTEMS (OFS)

(Admission to this program is suspended until further notice.)

Course Descriptions

OFS 127. WORD PROCESSING AND TYPING APPLICATIONS. Continued emphasis on keyboarding control and speed development and the ability to accurately and rapidly produce standard business documents. This course further emphasizes word processing concepts and hands-on applications on computers utilizing up-to-date word processing software packages for the development of occupations-level production standards. Combined lecture/lab. Prerequisite: OFS 125. *3 credits*

OFS 131. SHORTHAND THEORY. Introduction to Gregg shorthand theory, reinforcement of English skills, and development of writing speed on practiced material. For vocational applications and personal note taking. combined lecture/lab. Students with two semester of high school shorthand should enroll in OF 132. *3 credits*

OFS 132. SHORTHAND SPEED BUILDING. Reinforcement of Gregg shorthand principles and English skills. Emphasis is on the development of writing speed on familiar and newmatter dictation. Combined lecture/lab. Prerequisites: OFS 131, and successful completion of ENG 100/WAC 101 and ENG 101/RCA 021, or a passing score on the placement exams, or SAT exemption. *3 credits*

OFS 225. OFFICE TECHNOLOGY AND PROCEDURES. A study of the latest developments in office information techniques and equipment and their impact on traditional office practices and procedures. Units included are filing and records management, appointment handling, mail and telephone services, travel and conferences, financial and legal procedures, organization and time management methods, research and organization of business data and employment search strategies. Emphasis is placed on human relations and decision-making skills and the management of human resources. Prerequisites: OFS 127, and ENG 100/WAC 101 and ENG 101/RCA 021, or a passing score on the placement exams, or SAT exemption. *3 credits*

OFS 226. AUTOMATED OFFICE SYSTEMS. Offers a combinations of automated office information, theory and techniques with an application of hardware, software and automated office operations to actual job tasks. Computers will be used to process information such as text editing, data files, mail lists, electronic calendars, expense accounts, spreadsheets and electronic mail. Prerequisites: OFS 225 and CIS 146. *3 credits*

OFS 227. ADVANCED WORD PROCESSING AND TYPING APPLICATIONS. Problem-solving word processing simulations designed to reinforce word processing concepts and operator skills. Combined lecture/lab. Prerequisite: OFS 127. *3 credits*

OFS 241. SHORTHAND TRANSCRIPTION. Further reinforcement of Gregg shorthand principles, mechanics of the English language, and writing under stress. Emphasis is on effective office-style dictation. Combined lecture/lab. Prerequisite: OFS 132. *3 credits*

OFS 243. MACHINE TRANSCRIPTION. Development of efficient machine transcription techniques with concurrent study of English skills and vocabulary review for accurate and rapid production of prerecorded correspondence and documents. Combined lecture/lab. Prerequisites: OFS 127, ENG 11 and ENG 21 or a passing score on the placement exams. *3 credits*

OFS 250. INDEPENDENT WORK EXPERIENCE. Designed to provide supervised on-the-job training experience with participating businesses. Open to students in the final semester of the program. *2 credits*

Course Descriptions

PERSONAL LIFE (PLS)

PLS 200. SELF MANAGEMENT: WELLNESS AND RISK. This course is taught from the interdisciplinary view of nursing, physical education and psychology focusing on the development of the whole person. The central theme of the course is the concept of balance. This is a general education course required for baccalaureate students. It introduces concepts related to physical and psychosocial health and wellness. Specific content areas include high risk behaviors such as alcohol, other substance use and sexuality issues. Wellness perspectives such as fitness, nutrition and stress management are presented. The course emphasizes the evaluation of these concepts in relation to the individual's own life style and supports the student as he/she explores their own behaviors. Prerequisites: FDS 100, WAC 011, RCA 021. *2 credits*

PHILOSOPHY (PHI)

PHI 200. CRITICAL THINKING. Students examine the basic principles of critical thinking with an emphasis on the use of criteria to evaluate issues; the development of extensive experience in constructing, analyzing, evaluating, and presenting oral and written arguments. Students discover different ways of knowing and exploring philosophical concepts through a variety of interdisciplinary literatures, and apply these concepts in the study of contemporary issues of society in everyday contexts, especially as promulgated in the mass media. Co-requisite: ENG 201. *3 credits*

PHI 231. INTRODUCTION TO EPISTEMOLOGY AND LOGIC. An introduction to various theories concerning the nature, extent and limitations of human knowledge. A study of the methods and principles used to distinguish logical from illogical thinking. Prerequisite: ENG 201. *3 credits*

PHI 232. INTRODUCTION TO METAPHYSICS AND HUMAN VALUES. An introduction to various ideas concerning the nature of reality and the foundation, meaning and purpose of human values. Prerequisite: ENG 201. *3 credits*

(Note: Either of the above courses satisfies the general education requirement in Philosophy.)

PHYSICAL EDUCATION AND HEALTH (PED)

PED 111-112. FRESHMAN PHYSICAL EDUCATION AND HEALTH. Health instruction, group exercise, and sports varieties. A program centered around the physical education needs of each student, with emphasis on the development of skill in individual and team sports which the student can use after leaving university. *1/2-1/2 credit*

PED 113. CARDIOPULMONARY RESUSCITATION. Instruction in American Heart Association approved techniques of cardiopulmonary resuscitation for victims of all ages (Module C). Students who complete the course with a grade of "C" or better will receive their CPR certificate cards. *1/2 credit*

PED 211-212. SOPHOMORE PHYSICAL EDUCATION AND HEALTH. Continuation of Freshman Physical Education and Health. *1/2-1/2 credit*

PHYSICS (PHY)

PHY 211-212. INTRODUCTION TO PHYSICS I-II. An introduction to mechanics, heat, sound, electricity, magnetism, optics and modern physics. A terminal course in physics for nonphysical science majors. Three hours lecture and three hours laboratory weekly. Prerequisites: MAT 142. PHY 241 may substitute for PHY 211 as a prerequisite for PHY 212. *4-4 credits*

PHY 241-242. GENERAL PHYSICS I-II. An introduction to mechanics, heat, sound, electricity, magnetism, optics and modern physics, with strong emphasis on a rigorous mathematical development of the science. Serves as a prerequisite for more advanced courses in the physical sciences and engineering. Four lectures and three hours of laboratory per week. Prerequisite: MAT 241-242 (may be taken concurrently). *5-5 credits*

PHY 311. CLASSICAL MECHANICS I. Statics and dynamics of systems of structureless particles and of rigid bodies, moving coordinate systems, gravitation and the Kepler problem. Three hours of lecture per week. Prerequisite: PHY 242. Corequisite: MAT 342. *3 credits*

PHY 312. CLASSICAL MECHANICS II. Lagrangian and Hamiltonian formulations of classical mechanics, rotation of rigid bodies, theory of small vibrations. Three hours of lecture per week. Prerequisites: PHY 311 and MAT 346 which may be taken concurrently. *3 credits*

PHY 321. ELECTROMAGNETISM. Advanced study of electromagnetic phenomena. Electrostatic fields from Laplace's and Poisson's equations, magnetic fields, effects of dielectric and magnetic materials, electromagnetic induction, Maxwell's equations, propagation and radiation of electromagnetic waves. Three hours of lecture per week. Prerequisites: PHY 242 and MAT 346 which may be taken concurrently. *3 credits*

PHY 341. MODERN PHYSICS. The fundamental concepts of relativity and quantum physics. Application to atomic structure and spectra, blackbody function; solid-state physics, nuclei and elementary particles. Three hours of lecture per week. Prerequisites: PHY 242 and MAT 342 which may be taken concurrently. *3 credits*

PHY 351. MODERN PHYSICS LABORATORY. Introduces the student to experimental research in physics. Crucial experiments in modern physics. Three hours of laboratory per week. Prerequisite: PHY 341 which may be taken concurrently. *1 credit*

PHY 495. DIRECTED INDEPENDENT RESEARCH IN PHYSICS. Provides an opportunity for students, under the guidance of a faculty supervisor, to pursue scholarly research or study in areas associated with their academic field but outside of prescribed courses. Student and the prospective supervisor should develop and submit for approval a proposal to the Division Chair at least one month prior to the start of the course. For each hour of academic credit to be awarded, the student must have three hours of lab or study per week and one hour of consultation per week with the supervisor. Student may register for repeated enrollment in this course up to the maximum of six credits. Proposals must also include an evaluation plan. Prerequisite: PHY 242 with a minimum cumulative grade point average of 2.5. *1 to 4 credits*

Course Descriptions

PHY 496. INTERNSHIP/FIELD STUDIES. Provides an opportunity for students to earn academic credit for activities conducted outside of the University. Field studies, internships, summer research programs and career-related employment activities can qualify for credit under this course. Written proposals for such work must be developed by the student and the prospective field/employment supervisor and submitted to a divisional committee. Proposals must be submitted at least one month prior to the start of the course. The amount of academic credit to be earned will be determined by the committee based on the duration and quality of the experience, with a maximum of four credits through repeated enrollment. Prerequisite: PHY 242 with a minimum cumulative grade point average of 2.5. *1 to 4 credits*

POLICE SCIENCE AND ADMINISTRATION (PSA)

PSA 120. INTRODUCTION TO LAW ENFORCEMENT. The philosophy and history of law enforcement agencies involved in the administration of criminal justice; processes of justice from detection of crime to parole of offender; evaluation of modern police services; survey of professional career opportunities. *3 credits*

PSA 121. ADMINISTRATION OF JUSTICE. A review of court systems; procedures and agencies involved from incident of arrest to final disposition; principles of constitutional, federal, state, and local criminal and civil laws as they apply to and affect law enforcement; organization, procedures and techniques of law enforcement agencies and courts. Case histories will be used to create understanding of major problems of administering justice and rehabilitating criminal offenders. *3 credits*

PSA 122. CRIMINAL LAW. Elements of criminal law with definitions and general penalties; laws of arrest, search and seizure; rights and duties of officers and citizens. *3 credits*

PSA 125. CRIMINAL INVESTIGATION. Fundamentals of investigation; techniques of crime scene recording and search; collection and preservation of physical evidence; modus operandi processes; sources of information; interview and interrogation; follow up and case preparation; principles, procedures and techniques of investigation of specific crimes; laws affecting law enforcement regarding gathering of evidence; actual crime scene investigation, including autopsy laboratory work. Prerequisites: PSA 120, PSA 121, PSA 122. *3 credits*

PSA 128. CRIME PREVENTION AND DELINQUENCY CONTROL. Planning and administration of crime prevention methods; techniques of handling juvenile offenders and victims; prevention and repression of delinquency; diagnosis and referral; organization of community resources. Juvenile law and juvenile court procedures. Prerequisites: PSA 120, PSA 121, PSA 122. *3 credits*

PSA 220. POLICE ORGANIZATION AND ADMINISTRATION. The organization and administration of line, staff and auxiliary functions. A detailed examination of current command-level problems and trends in law enforcement organization and management; this includes the formulation of policy and procedure; rules and regulations, development; implementation of procedural and tactical planning; coordination and control of activity. *3 credits*

PSA 221. CONTEMPORARY CORRECTIONS. A study of the development of penal philosophies from revenge to rehabilitation. The structure of the American correctional system including probation, institutionalization and parole with consideration of current alternatives to incarceration. Survey of techniques, strategies and problems encountered in correctional counseling. Prerequisite: PSA 120. *3 credits*

Course Descriptions

PSA 222. LAW ENFORCEMENT-COMMUNITY RELATIONS. An examination of factors contributing to cooperation or friction between law enforcement personnel and the community, with emphasis on minority groups, political pressures and cultural problems. Citizen involvement in the criminal justice process, community organization and the social responsibility of law enforcement are examined. Prerequisite: PSA 120. *3 credits*

PSA 223. JUVENILE DELINQUENCY/JUSTICE. Juvenile delinquency in relation to the general problem of crime. Analysis of factors underlying juvenile delinquency, treatment and prevention. The adjudication process for juveniles — philosophy and practice. Prerequisite: PSA 120. *3 credits*

PSA 224. SECURITY CONCEPTS. The historical, philosophical and legal basis of security. The role of security and the security industry in modern society. Security as a major factor in criminal justice for the prevention of crime. The relationship between private security and public law enforcement. Prerequisite: PSA 120. *3 credits*

PSA 232. CRIMINAL PROCEDURE AND EVIDENCE. Constitutional and procedural considerations affecting arrest, search and seizure. A study of United States Supreme Court cases involving the fourth, fifth, sixth and fourteenth amendments to the U. S. Constitution specifically dealing with the law enforcement officers' investigative and police powers, and their limitations, in connection with obtaining evidence, confessions and identifications, and in making searches, seizures and arrests. The origin, development and philosophy of rules of evidence, evaluation of evidence and proof required, competency and consideration of witnesses, tests of advisability and weight and value of types of evidence. Prerequisite: PSA 120. *3 credits*

PSA 234. SEMINAR IN POLICE PROBLEMS. Research, writing and discussion of selected subject areas, analysis of contemporary problems, with emphasis on the Caribbean police problems, rural versus urban, island versus island, native versus tourist and alien. Research, writing and discussion of foreign-police agencies, intensive research and written reports. *3 credits*

POLITICAL SCIENCE (POL)

POL 120. INTRODUCTION TO POLITICAL SCIENCE. Introduces students to Political Science. It examines the various forms politics takes in relation to the state, political institutions and individuals, in an effort to understand the world at large and one's position in it. Prerequisite: Successful completion of the English placement exam or ENG 100/WAC 011, or SAT exemption. *3 credits*

POL 121-122. INTRODUCTION TO POLITICAL AND SOCIAL THOUGHT. An examination of ideas, concepts and theories about politics and political systems, and about individual and group relationships in society, with emphasis on the ways in which the social sciences enable us to think more clearly and accurately about our social environment. Prerequisite: POL 120. *3-3 credits*

POL 129. INTRODUCTION TO PUBLIC ADMINISTRATION. Designed to acquaint students with the basic principles and concepts associated with administrative management and the execution of public policy, the organization and functioning of public institutions and the implementation of policy decisions in the public arena. A survey course designed to promote interest and understanding of basic management practices and administrative procedures applicable to the public section. It is concerned with the processes by which bureaucratic organizations function. Prerequisite: POL 120. *3 credits*

Course Descriptions

POL 151-152. AMERICAN GOVERNMENT. A study of the development of the constitution; political parties; civil liberties; the nature and functions of the legislative, executive and judicial branches of the federal government; structure and functions of state and local governments; relation between federal and state and local governments. Prerequisite: POL 120. *3-3 credits*

POL 340. CARIBBEAN GOVERNMENT AND POLITICS. A comparative study of development, structure and processes of government and politics of the Caribbean Islands, with special reference to problems of national integration, political identity, constitutional independence and political ideology, and to the various solutions to these problems which have been adopted. Prerequisite: POL 120. *3 credits*

POL 341. AFRICAN POLITICS. A comparative study of the development, structure and processes of government and politics on the African continent. As such, it will look at the African political system prior to the arrival of Europeans, the colonial era, and the post-colonial era. The major political issues, ideologies, and the unique development of the principal political institutions will be examined. Case studies will focus on individual nations within each of the five regions of the continent (i.e., North, South, East, West and Central). Prerequisite: POL 120. *3 credits*

POL 351. COMPARATIVE GOVERNMENT. A comparative study and analysis of the governments of Great Britain and the USSR. Attention is also given to the politics and governments of developing countries. Prerequisite: POL 120. *3 credits*

POL 352. INTERNATIONAL POLITICS. A study of politics among nations. Prerequisite: POL 120. *3 credits*

POL 401. U. S. VIRGIN ISLANDS GOVERNMENT AND POLITICS. An examination of the government and politics of the U. S. Virgin Islands. Emphasis is placed on the social and cultural context of the political process. The major institutional components of the political structure are examined, including the Organic Acts, the major branches of government, political parties, and federal-territorial relations. Outstanding political issues and possible political changes are discussed. Prerequisite: POL 120. *3 credits*

POL 496. PRACTICUM IN POLITICAL SCIENCE. Opportunities for supervised field work experience in areas related to government and politics, with emphasis on the linkage between course work and practical application. A comprehensive program must be submitted to the Division Chair no later than the sixth week of the semester prior to the semester in which the field work is to be undertaken. Prerequisites: Senior standing and Political Science concentration. *3 credits*

POL 498. POLITICAL SCIENCE SEMINAR. An examination of methodological controversies concerning the nature and methods of Political Science and recent major work in the various areas of the discipline. The course is designed to help prepare advanced students for graduate training. Prerequisites: 6 credits of lower level and 6 credits of upper level Political Science courses. *3 credits*

PROCESS TECHNOLOGY (PRT)

PRT 101. INTRODUCTION TO PROCESS TECHNOLOGY. An introduction to chemical and refinery plant operations. Topics include process technician duties, responsibilities, and expectations; plant organization; plant process and utility systems; the physical and mental requirements of the process technician; an overview of a typical process plant; identification of process equipment; the purpose of equipment; safety, health, and environmental components; and the roles, responsibilities and work environment. Prerequisite: Successful completion of MAT 023 and MAT 024, or satisfactory SAT Math score, or a satisfactory score on the mathematics diagnostic examination. *3 credits*

PRT 110. BASIC ELECTRICITY THEORY. Provides instruction in understanding and designing direct-current and alternating-current electrical circuits. Topics include voltage, current, resistance, Ohm's Law, magnetism's relationship with electricity, inductance and capacitance, and multi-phase electrical systems. Co-requisite: MAT 140. *3 credits*

PRT 121. INSTRUMENTATION I. The first course of a two-semester sequence which involves the study of the instruments and their integration into instrument systems used in petroleum refining, petrochemical and chemical processing, including terminology, symbols, data highways, input-output, and basic troubleshooting. Co-requisite: MAT 140. *3 credits*

PRT 122. INSTRUMENTATION II. The second course of a two-semester sequence which involves the study of the instruments and their integration into instrument systems used in petroleum refining, petrochemical and chemical processing, including terminology, symbols, data highways, input-output, and basic troubleshooting. Prerequisite: PRT 121. *3 credits*

PRT 125. INDUSTRIAL PROCESS. A study of the processes employed in petroleum refining and chemical plant operations, emphasizing the typical refinery processes. Prerequisites: SPE 120, MAT 140, and PRT 101. *3 credits*

PRT 130. PROCESS TECHNOLOGY I – EQUIPMENT. Provides instruction in the use of common process equipment including drums, reactors and other processing vessels; pumps, compressors, blowers, fans and other rotating equipment; flow, temperature, pressure and other instrumentation; relief valves, Automatic Shutdown Devices and other safety protection equipment. The course will include the identification, terminology and basic functions of these process equipment components and the scientific principles associated with them. Prerequisite: PRT 101. *3 credits*

PRT 225. SAFETY, HEALTH & ENVIRONMENT. Develops the knowledge and skills that will reinforce the attitudes and behaviors required for safe and environmentally sound work habits. Emphasis is on safety, health and environmental issues in the performance of all job tasks and regulatory compliance issues. Also included are the components of a typical plant safety and environmental program; the role of a process operator in relation to safety, health, and environment; and identification and use of safety, health and environmental equipment. Prerequisite: PRT 130. *3 credits*

PRT 231. PROCESS TECHNOLOGY II – SYSTEMS. Explores the interrelation of process equipment and process systems and the application of relevant scientific principles to the process environment. Course topics will include construction of process systems from basic equipment, analysis of process systems, system control under normal operating conditions, and recognition of abnormal conditions. Prerequisite: PRT 130. *2 credits*

Course Descriptions

PRT 232. PROCESS TECHNOLOGY III – OPERATIONS. Combines systems into operational processes with emphasis on operations under various conditions. Topics include typical duties of an operator, combining systems into operating processes; describing a process technician's role during plant operations; writing operating procedures, and demonstrating the application of operating procedures. Prerequisite: PRT 231. *3 credits*

PRT 240. PROCESS TROUBLESHOOTING. Provides instruction in the different types of troubleshooting techniques, procedures, and methods used to solve process problems. Topics include application of data collection and analysis, cause-effect relationships, reasoning, the steps in troubleshooting models; the use of troubleshooting tools, and the troubleshooting techniques used to solve process problems. The application of computerized process control is a major part of this course. Prerequisite: PRT 231. Co-requisite: PRT 232. *3 credits*

PRT 275. INTERNSHIP. Provides an opportunity for students to earn academic credit for on-the-job technical training in the petrochemical process field in a supervised work setting. These activities will be conducted in restricted locations on-site within HOVENSA. Students will work alongside field experts in daily activities that will supplement courses in process troubleshooting and process technology: operations. Individual assignments will be made by the end of the third semester by the Process Technology Coordinator after consulting with the Process Technology Instructors. Prerequisite: Good Academic Standing. Co-requisite: PRT 232. *3 credits*

PSYCHOLOGY (PSY)

PSY 120. GENERAL PSYCHOLOGY. A broad overview of the field of psychology. Such topics as basic human neurophysiology, child development, principles of learning, social psychology, abnormal behavior, personality development and approaches to clinical intervention will be covered. Prerequisites: A satisfactory grade on the English and reading placement exams or the satisfactory completion of ENG 100/WAC 011 and ENG 101/RCA 021 or SAT exemption. *3 credits*

PSY 202. LIFE SPAN DEVELOPMENT. An introduction to human development throughout the life cycle. Using a topical approach, biological, physical, personality and social processes will be examined from the prenatal period through late adulthood. The impact of the life span perspective on developmental theory and research methodology will be emphasized. Prerequisite: PSY 120. *3 credits*

PSY 203. INTRODUCTION TO PERSONALITY. Provides a broad introduction to the contemporary field of personality psychology. Genetic, environmental, social and cultural influences on personality are discussed, and the major personality theorists and assessment methods are introduced to the student. Empirical findings are stressed in the examination of topics such as personality types and traits, motivation and achievement, concepts of the self, sex roles, perceived control and responsibility, love, altruism and aggression. Prerequisite: PSY 120. *3 credits*

PSY 223. SOCIAL PSYCHOLOGY. A study of the individual's behavior and experience in social situations. Topics will include: the dynamics of groups; social roles, attitudes and values, communication, prejudice and mass behavior. Caribbean approaches to these topics will be stressed. Prerequisite: PSY 120. (Also listed as SOC 223.) *3 credits*

Course Descriptions

PSY 240. BIOPSYCHOLOGY. An introduction to the biological and neurological bases of behavior. Topics in the brain structure and organization, the neural mechanisms of behavior, the process of evolution and adaptation, the study of genetics, the visual, perceptual and sensorimotor systems, and the regulation and control of homeostatic processes and the influence of biology on cognitive and emotional functioning will be covered. Both normal and abnormal behavior will be explored. Prerequisites: Psy 120, Science 100. *3 credits*

PSY 301. HISTORY AND SYSTEMS OF PSYCHOLOGY. A survey of the history of the field, its major systems and methods. Contemporary issues and trends will be examined in terms of their roots in the history of the study of human behavior. Prerequisites: PSY 120, limited to juniors and seniors majoring in psychology. *3 credits*

PSY 302. CULTURE AND BEHAVIOR. An examination of the mutual relevance of psychology and anthropology to the understanding of human behavior. Conceptual and methodological issues will be emphasized in the substantive areas of cross-cultural research such as the cognitive processes, socialization and personality development, as well as its application to social issues, mental health and intercultural communication. Prerequisite: PSY 120 and PSY 202. *3 credits*

PSY 304. COGNITIVE PSYCHOLOGY. An introduction to the theoretical and experimental foundations of mental processes including consciousness, perception, learning, memory and thinking. Current approaches such as information-processing and cognitive science will be examined. Prerequisite: PSY 202. *3 credits*

PSY 321. CHILD Development. Covers topics important in child development including prenatal development, infancy, early experience, learning, emotional development, language, cognitive development, moral development, sex-role acquisition, personality and social development including role of family, peers, school and mass media in the socialization process. Prerequisite: PSY 202. *3 credits*

PSY 322. ADULT DEVELOPMENT. Will focus on issues in adulthood and aging. Topics covered include the emergence of adult roles, marriage and family life, predictable life crises, role of work, retirement and leisure, special issues in aging, and the psychological aspects of death, dying and bereavement. Prerequisite: PSY 202. PSY 321 is strongly recommended. *3 credits*

PSY 323. PSYCHOLOGY OF THE EXCEPTIONAL CHILD AND ADOLESCENT. Will survey the behavior needs and characteristics of those children who deviate significantly from the average to require special attention to develop their potential. Emphasis will be placed on assessment, patterns of adjustment and some therapeutic strategies. Prerequisite: PSY 321. *3 credits*

PSY 325. ADOLESCENT DEVELOPMENT. Provides expanded, in-depth coverage of the adolescent period in development. In particular, issues of family, relationships, self-concept and identity, delinquency and psychological disorder, and societal risk factors will be covered. Prerequisite: PSY 202. *3 credits*

PSY 327. PSYCHOLOGY OF WOMEN. This course will provide an overview of contemporary theory and research as it applies to sex and gender differences in biology, development, socialization, cognition, interpersonal relationships, and psychological disorders. Prerequisites: PSY 202, 203. *3 credits*

Course Descriptions

PSY 332. INDUSTRIAL-ORGANIZATIONAL PSYCHOLOGY. This course presents a general introduction to the field of industrial and organizational psychology, focusing on the structure and function of organizations and the role they play in our lives. Students taking this course will develop an understanding of organizational processes, culture, behavior and productivity, and will be given both a theoretical and applied approach to the field. Prerequisites: PSY 202. *3 credits*

PSY 432. PSYCHOLOGY OF PERSONALITY. The study of personality development emphasizing the normal individual and his adjustment to his environment. Theories of personalities and techniques of measuring personality will be discussed. Prerequisites: PSY 202 and PSY 203. *3 credits*

PSY 433. INTRODUCTION TO COUNSELING AND PSYCHOTHERAPY. Will survey the major approaches to counseling and psychotherapy. Theoretical and research finding will be critiqued. Emphasis will be placed on selection and implementation of therapy for different reference groups. Prerequisites: PSY 432 and PSY 434. *3 credits*

PSY 434. ABNORMAL PSYCHOLOGY. Emphasizes the dynamics of mental illness; diagnostic methods for classifying and understanding the degree of individual maladjustment; levels and focuses of therapeutic intervention. Prerequisite: PSY 203. *3 credits*

PSY 435. TESTS AND MEASUREMENTS. Focuses on the nature and value of psychological instruments, particularly those relevant to an academic setting. Critical topics such as cultural relativity, ethics and research considerations will be discussed. Prerequisites: PSY 202 and PSY 203. Strongly recommended: PSY 321, PSY 322, PSY 434 and SSC 328. Limited to juniors and seniors. *3 credits*

PSY 440. APPLIED RESEARCH METHODS. An introduction to research methods used in the study of behavior, both experimental and non-experimental. The scientific method, including ethics, principles and methods of research design, data collection, statistical analysis and interpretation, and report writing and covered. The student will have hands on experience both in groups and individually in conducting research studies. Prerequisite: SSC 328. *3 credits*

PSY 465-466. SELECTED TOPICS. Includes the study of areas of special interest in Psychology, especially those that may be of regional importance, or will introduce the student to evolving specialties in the field. Individual topics will be announced at the beginning of each semester. May be repeated for credit under varying topics. Prerequisite: To be announced with each topic. *3,3 credits*

PSY 496. PRACTICUM IN PSYCHOLOGY. Individualized and supervised field work experience in the areas of school, developmental, clinical, social and industrial psychology. Major emphasis on integration of theory and practice, also personal and professional development. A comprehensive program must be submitted to the Division Chair no later than the sixth week of the semester prior to the semester in which the field work is to be undertaken. Prerequisites: PSY 120, PSY 202, and PSY 203; for clinical areas, also PSY 434 and PSY 433; for human service areas, also HMS 310 (Introduction to Human Services), HMS 375 (Field Placement and Seminar), PSY 434 and PSY 433; for school counseling and developmental areas, also PSY 321 and PSY 325 (Adolescent Development); for social/organizational areas, also PSY 223 and PSY 332 (Industrial/ Organizational Psychology). Senior standing is required. *3 credits*

SCIENCE (SCI)

SCI 100. THE NATURAL WORLD: THE CARIBBEAN. A topical examination of the natural world of the Caribbean. Included will be considerations of elements of Caribbean life associated with the natural world with emphasis on their roots in the Natural Sciences. The approach is interdisciplinary with a variety of learning strategies employed. Two hours of lecture and three hours of lab per week. This course is half of the two-part Freshman Year General Education Curriculum. *3 credits*

SCI 200. CHANGES IN THE NATURAL WORLD. Students learn to use the vocabulary and concepts underlying the scientific view of the natural world. An exploration of cosmology and biological principles provide a contrast with mythology and a framework within which to understand the scientific explanations of change and evolution in physical systems and living organisms. Students learn to relate emerging scientific applications and to the overall organization of scientific knowledge. Laboratory exercises establish the principles of observation and analysis as a basis for scientific theory. This course partially satisfies the general education requirements for a BA degree. Two hours of lecture and 3 hours of lab per week. Prerequisite: SCI 100, SPE 120. Corequisite: MAT 140. *3 credits*

SCI 301. APPLICATION OF PRINCIPLES FROM THE NATURAL WORLD. The application of key scientific principles to selected aspects of our immediate surroundings, and an interdisciplinary examination of the technology used to manipulate those surroundings. A variety of teaching techniques, including laboratory exploration, will be employed. Two hours of lecture and three hours of lab per week. Prerequisites: SCI 200, MAT 140 or 143. *3 credits*

SOCIAL SCIENCE (SSC)

SSC 100. AN INTRODUCTION TO THE SOCIAL SCIENCES: A CARIBBEAN FOCUS. A topical examination of the social dimensions of Caribbean cultures from the origins of human habitation to the present. Its interdisciplinary approach will emphasize the perspectives of the various social sciences, with attention also given to the arts of the Caribbean. A variety of teaching and learning strategies will be utilized. *3 credits*

SSC 113. CLARIFICATION OF THE SOCIAL SELF. In this course the student will explore communication and listening, conflict-resolution, assertiveness and decision-making as they apply to individuals in an interpersonal context. Values clarification and ethical decision-making exercises will be used in structured and unstructured group learning activities as well as readings and discussion. Prerequisites: Satisfactory completion of English and Reading placement tests, SAT exemption, or completion of ENG 100/WAC 011 and ENG 101/RCA 021. *3 credits*

SSC 154. METHODOLOGY OF INTERDISCIPLINARY STUDIES. Directed at preparing the student for interdisciplinary studies within the social sciences. Deals with the basic methodologies of such programs. The course includes identification and exploration of the nature and scope of selected local problems, the design, strategy, and evaluation of research projects from the point of view of application of results. *3 credits*

Course Descriptions

SSC 327-328. QUANTITATIVE RESEARCH METHODS IN THE SOCIAL SCIENCES. Techniques and methods of measurement, analysis, interpretation and explanation of statistical data. Topics include frequency distributions and graphic presentation, measures of central tendency and dispersion, the normal and binomial distributions, probability theory, hypothesis testing, point and interval estimation, measures of association and regression, goodness-of-fit tests and analysis of variance; sampling and research design; questionnaire construction. Emphasis is placed on the interrelationships between theory and applied research. Three hours of lecture and three hours of laboratory per week. Prerequisites: MAT 140 - 235. *4-4 credits*

SSC 497-498. SOCIAL SCIENCES SENIOR SEMINAR. A periodic seminar which explores current topics in the various fields of the Social Sciences. The first semester will be devoted to a period of instruction in Social Sciences research methodology, followed by written and oral presentation of a research proposal by the student. In the second semester, students will write their research papers and make an oral presentation of the results of their work. A schedule of meetings will be established at the first meeting of each semester. Prerequisites: SSC 327-328 and senior standing in the Social Sciences. *1-1 credit*

SSC 499. INDEPENDENT STUDY. Advanced students who have acquired adequate academic skills may, with the assistance of faculty members, propose a semester program of independent reading, research and reporting to be conducted under the mentorship of one or more full-time faculty members of the Social Science Division. Acceptance of the proposal should be obtained from the faculty members who will supervise and from the Division Chair at least one month prior to the beginning of the semester. *1 to 3 credits*

SOCIAL WORK (SWK)

SWK 224. INTRODUCTION TO SOCIAL WELFARE. Examination of the social welfare problems and needs of the Virgin Islands, Caribbean and mainland United States; the network of agencies and programs to meet these needs; the gaps and limitations of services; the roles of professional social workers in providing social welfare services. Assigned observational learning experiences are a part of the requirements of this course. (Also listed as SOC 224.) *3 credits*

SWK 325. SOCIAL WELFARE AS A SOCIAL INSTITUTION. Historical development of public and private social welfare and the profession of social work in the context of economic, philosophical, social and other forces. In addition, major changes in governmental social philosophy, welfare programs and issues in social welfare and social work are examined with the use of analytic and evaluation paradigms. Participant observational learning experiences are a part of the requirements of this course. Prerequisite: SOC 121. (Also listed as SOC 325.) *3 credits*

SWK 331. SOCIAL WORK METHODS I. An introduction to basic social work practice utilized by professional social workers in their interventions with any social system. The focus of this course is on people with problems and perceptions of their functioning, relevant systems, and the helping process, including time phases, the worker and the kinds of helping roles, the client in the situation, communication skills, objectives and goals, and values and self-awareness. The values and ethics of the profession are examined in relation to social needs and the context of practice. The social agency context of sanctions, organization and accountability are examined. The variety of social work practice in relation to social problems and human need will be considered. This foundation knowledge is further developed in Social Work Methods II, III and IV. Prerequisite: SWK 224. *3 credits*

Course Descriptions

SWK 332. SOCIAL WORK METHODS II. A continuation of introduction to basic social work practice. This course focuses on interactional processes; the social worker with the client system and in the agency and community. Stress is on the worker's use of knowledge for disciplined guiding, ordering, structuring and understanding activities. Beginning interviewing skills are also examined. (Must be taken concurrently with SWK 333.) Prerequisite: SWK 331. *3 credits*

SWK 333. FIELD INSTRUCTION AND FIELD SEMINAR. An introduction to social work practice in Virgin Islands and other Caribbean area social welfare and other appropriate organizations. The educational experience of the student is under the direction of the University of the Virgin Islands Social Welfare Program. Each student is assigned an individual field instructor to facilitate learning in a service environment. One day of field instruction per week throughout the semester. Concurrent participation in a regular field instruction seminar is required. (Must be taken concurrently with SWK 332.) *3 credits*

SWK 334. HUMAN BEHAVIOR AND SOCIAL ENVIRONMENT FRAMEWORK. Designed to familiarize students with basic psychosocial concepts of human behavior. The stages of development from infancy through old age are studied within the frames of reference provided by Erikson, Freud, and Piaget. The relevance of this knowledge for social work is stressed. Prerequisite: PSY 120. *3 credits*

SWK 335. CONTEMPORARY ISSUES IN SOCIAL GERONTOLOGY. An intensive overview of the major concepts, programs and contemporary issues in social gerontology and their relationships to social welfare and other human services. Topics include health care, income maintenance, social security benefits, crime, media, social networks and others. Prerequisite: SOC 121 or Special 131E (Gerontology Institute). (Also listed as SOC 335.) *3 credits*

SWK 425. SOCIAL WORK METHODS III. Utilizing a systems approach, assessment and the beginning phase of practice are examined. An emphasis is placed on the generic practice process and beginning engagement skills with individuals, families, groups and local communities, including observation, data collection, interviewing and assessment. A further emphasis is placed on the worker's skill in facilitating direct services for people in the context of social work purposes. (Must be taken concurrently with SWK 427.) *3 credits*

SWK 426. SOCIAL WORK METHODS IV. A continued development of social work generic practice. The middle and termination phases of practice with individuals, families, groups and local communities are stressed. Attention is paid to short-term interventions for work with individuals and families, particularly in regard to delivering social services in relation to functional and dysfunctional processes both in societal systems and client systems. Special attention is paid to task-oriented groups, including agency work groups and interventions on local community levels. Team and interdisciplinary aspects of professional practice are examined. (Must be taken concurrently with SWK 428.) *3 credits*

SWK 427. FIELD INSTRUCTION II AND FIELD SEMINAR. Builds upon the knowledge and experience gained in SWK 333 and requires the student to integrate the content of SWK 425 in a practicum basis. A minimum of two days per week is required. Concurrent participation in a regular field instruction seminar is also required. (Must be taken concurrently with SWK 425.) *6 credits*

SWK 428. FIELD INSTRUCTION III AND FIELD SEMINAR. Builds upon the knowledge and experience gained in Social Work 427 and requires the student to integrate the content of SWK 426 in a practicum basis. A minimum of two days per week is required. Concurrent participation in a regular field instruction seminar is also required. (Must be taken concurrently with SWK 426.) *6 credits*

Course Descriptions

SWK 430. SOCIAL WELFARE: POLICIES, PROGRAMS, ISSUES. An analysis of social welfare programs, policies and issues in regard to selected major areas of social welfare need in the United States, the Virgin Islands and the Caribbean. Issues, strategies and programs in the delivery of social welfare services in a multi-cultural, multiracial context are examined, including the implications for professional priorities and decision-making. Prerequisite: SOC 121 (Also listed as SOC 430.) *3 credits*

SWK 465, 466. SELECTED TOPICS. Includes the study of areas of special interest in social work. Individual topics will be announced at the beginning of each semester. May be repeated for credit under varying topics. Prerequisite: To be announced with each topic. *3, 3 credits*

SOCIOLOGY (SOC)

SOC 121. INTRODUCTION TO SOCIOLOGY. Analysis of the basic perspectives, concepts and methods used in studying societies. Society and culture: diversity and uniformity, society and the individual. Social organization: primary groups, family, kinship and marriage, stratification, racial and ethnic groups, communities. Social institutions: religious, educational, scientific, political, economic. Population and society: deviancy, conformity, social change. *3 credits*

SOC 124. SOCIAL PROBLEMS. A study of conditions in society. Problems of the life cycle: adolescence, education, work, the aged. Problems of deviance: delinquency, crime, mental illness. Problems of the nation: race relations, poverty, housing. World problems: population, war, new nations. Prerequisite: SOC 121. *3 credits*

SOC 223. SOCIAL PSYCHOLOGY. A study of the individual's behavior and experience in social situations. Topics will include: the dynamics of groups; social roles, attitudes and values, communication, prejudice and mass behavior. Caribbean approaches to these topics will be stressed. Prerequisite: PSY 121-122 or PSY 120. (Also listed as PSY 223.) *3 credits*

SOC 224. INTRODUCTION TO SOCIAL WELFARE. Examination of the social welfare problems and needs of the Virgin Islands, Caribbean and mainland United States; the network of agencies and programs to meet these needs; the gaps and limitations of services; the roles of professional social workers in providing social welfare services. Assigned observational learning experiences are a part of the requirements of this course. (Also listed as SWK 224.) *3 credits*

SOC 236. MARRIAGE AND THE FAMILY. A thorough examination of the significance of marriage and the family today, the family life cycle, dating and mate selection, love, marital and sexual adjustment, divorce and desertion, remarriage. *3 credits*

SOC 255, 256. AFRICAN CIVILIZATION. Historical survey of the several major culture areas of continental Africa. Comprises a comparative study of the ways by which the several African peoples treated have handled the basic problems of human existence: origin, survival, self-realization and destiny. (Also listed as ANT 255, 256 and HIS 255, 256.) *3, 3 credits*

SOC 257, 258. THE BLACK EXPERIENCE IN THE NEW WORLD. A study of the slave trade, the conditions of slavery, and the process of Black acculturation in the New World since emancipation. SOC 256 is recommended as a preparatory course. (Also listed as ANT 257, 258 and HIS 257, 258.) *3, 3 credits*

Course Descriptions

SOC 325. SOCIAL WELFARE AS A SOCIAL INSTITUTION. Historical development of public and private social welfare and the profession of social work in the context of economic, philosophical, social and other forces. In addition, major changes in governmental social philosophy, welfare programs and issues in social welfare and social work are examined with the use of analytic and evaluation paradigms. Participant observational learning experiences are a part of the requirements of this course. Prerequisite: SOC 121. (Also listed as SWK 325.) *3 credits*

SOC 332. COMPARATIVE INSTITUTIONS. The comparative study of institutions such as the family, stratification, and kinship, with emphasis on structure and function. Data will be presented from selected cultures of Indonesia, the Caribbean, the USSR, India, and Polynesia. Prerequisite: SOC 121. *3 credits*

SOC 333. CRIMINOLOGY. The study of criminal and delinquent behavior including its variations, ramifications, explanations and measures of prevention, control and treatment. *3 credits*

SOC 335. CONTEMPORARY ISSUES IN SOCIAL GERONTOLOGY. An intensive overview of the major concepts, programs and contemporary issues in social gerontology and their relationships to social welfare and other human services. Topics include health care, income maintenance, social security benefits, crime, media, social networks and others. Prerequisite: SOC 121 or Special 131E (Gerontology Institute). (Also listed as SWK 335.) *3 credits*

SOC 345. RACE AND ETHNIC RELATIONS. An analysis of the concept of race, race differences, prejudice, conflict, annihilation, stratification, segregation, pluralism, assimilation, reactions to minority status. *3 credits*

SOC 355, 356. CULTURAL HISTORY OF WEST AFRICA. Deals with the cultural history of the West African Sudan: the area between 7 and 17 degrees north latitude and extending from the northwestern border of Nigeria to the Atlantic Ocean. The period covered extends from the 7th to the 19th centuries which permits a discussion of the rise and flowering of the various peoples involved: Ghana, Mali, Sosso, Songhay, Wolof-Serer and the Fulani. (Also listed as ANT 355, 356 and HIS 355, 356.) *3, 3 credits*

SOC 381. CONTEMPORARY CARIBBEAN SOCIETY. An analysis of society in the contemporary Caribbean, using comparative studies of social structure, race, color, class, religion, family, personality, etc., to discuss problems of social cohesion and social change. Prerequisite: SOC 121. *3 credits*

SOC 382. SOCIOLOGY OF DEVELOPMENT. Examines the concept, nature and context of development and underdevelopment in the international system, using the Caribbean and Latin America as areas of focus. Includes an analysis of the relationship between various institutional areas and developments. Prerequisite: SOC 121. *3 credits*

SOC 430. SOCIAL WELFARE: POLICIES, PROGRAMS, ISSUES. An analysis of social welfare programs, policies and issues in regard to selected major areas of social welfare need in the United States, the Virgin Islands and the Caribbean. Issues, strategies and programs in the delivery of social welfare services in a multi-cultural, multiracial context are examined, including the implications for professional priorities and decision-making. Prerequisite: SOC 121. (Also listed as SWK 430.) *3 credits*

Course Descriptions

SOC 469. PRACTICUM IN SOCIOLOGY. Provides supervised experiences in applying the tools and theories of sociological analysis to community problems and policy issues. A comprehensive program must be submitted to the Division Chair no later than the sixth week of the semester prior to the semester in which the field work is to be undertaken. Prerequisites: Senior standing and a Sociology concentration, with at least 12 credits in the concentration. *3 credits*

SPANISH (SPA)

SPA 121-122. ELEMENTARY SPANISH. Intensive practice in listening, speaking, reading and writing Spanish. No previous study of the language is required. *4-4 credits*

SPA 131. FUNCTIONAL ELEMENTARY SPANISH I. This course is designed to develop a basic level of competence in understanding and an acceptable level of competence in communicating in standard Spanish. Its learning activities draw upon the broad range of state-of-art facilities and techniques, including videos, computer-assisted language practice and multi-media supported drills. This first course lays the foundation in phonology, vocabulary and grammar for effective command of the other two in this sequence. *4 credits*

SPA 132. FUNCTIONAL ELEMENTARY SPANISH II. This course is designed to develop in the second language learner a higher elementary level of competence in understanding and communicating orally and in writing standard Spanish. The learning program is based on state-of-the-art videos, computer-assisted language activities and practice provided by multi-media resources. This second course builds upon the foundation laid by the introductory elementary course and continues to develop phonology, vocabulary and grammar in preparation for the intermediate and more advanced stages of the language. The development of language functions moves from ritualistic expressions to more complex usages in conversation. *4 credits*

SPA 141. ALTERNATE FUNCTIONAL ELEMENTARY SPANISH I. This course is designed for students who have had previous knowledge of Spanish and who wish to develop a higher level of oral competency in the language, have a greater command of grammar and a broader grasp of the Hispanic cultural dimension. *3 credits*

SPA 231. INTERMEDIATE SPANISH. Grammar review, drills in translation, intensive practice in hearing and in speaking Spanish. Practical vocabulary and conversation will be stressed. Prerequisite: SPA 122 or successful completion of the appropriate CLEP test. *4 credits*

SPA 305. ORAL SPANISH. Conducted entirely in Spanish. Intensive oral practice; pronunciation, vocabulary, reading, comprehension, conversation, short speeches and group discussion. Some use of audio aids. Prerequisite: SPA 222. *3 credits*

SPA 306. ADVANCED CONVERSATION. Conducted entirely in Spanish, and designed to develop fluency and correctness in the spoken language by means of prepared and impromptu discussions on topics of cultural and current interest. Prerequisite: SPA 222. *3 credits*

SPA 311. ROMANCE LINGUISTICS. A groundwork is laid for studies in the development of the Romance languages. Some essential and practical concepts and applications of descriptive linguistics are studied. Methodologies for recording and analyzing languages are explored. Reading and reports are initiated on the histories of the Spanish language. Prerequisite: SPA 222 or successful completion of the appropriate CLEP test. *3 credits*

Course Descriptions

SPA 312. ROMANCE LINGUISTICS. The development of grammatical structures and lexicons of Spanish out of the Latin language is the subject of detailed study. The roles of sociolinguistics contact phenomena are also brought into perspective as agents of language change. Theories on language origins and language change are evaluated, particularly in the light of creole developments. Prerequisite: SPA 311. *3 credits*

SPA 321. STUDIES IN SPANISH LANGUAGE AND STYLE. Taught in Spanish. An approach to advanced grammar through contemporary readings in various fields. Extensive practice in translation and written and oral expression. *3 credits*

SPA 322. ADVANCED STUDIES IN SPANISH LANGUAGE AND STYLE. Taught in Spanish. Intensive exercise in composition and oral expression. Prerequisite: SPA 321. *3 credits*

SPA 331. SPANISH LITERATURE AND CIVILIZATION TO THE 18th CENTURY. Taught in Spanish. The purpose of this course and SPA 332 is to study works representative of the most significant currents in Spanish literature. The lectures will stress the interrelation of Spanish literature with general development in the Spanish speaking world. Selected texts will be analyzed and discussed. May be taken independently of SPA 332. *3 credits*

SPA 332. SPANISH LITERATURE AND CIVILIZATION FROM THE 18th CENTURY TO THE PRESENT. See SPA 331. May be taken independently of SPA 331. *3 credits*

SPA 433. SPANISH LITERATURE OF THE GOLDEN AGE. Taught in Spanish. A discussion of the principal authors of the 16th and 17th centuries from Garcilaso to Quevedo. *3 credits*

SPA 434. CONTEMPORARY SPANISH LITERATURE. Taught in Spanish. Representative authors from the generation of 1898 to the 1927 group: Unamuno, Azorin, Ortega, Miro, Garcia Lorca, Salinas, Guillen, and others. *3 credits*

SPA 435. SPANISH-AMERICAN LITERATURE I. Taught in Spanish. A study of the significant literary works produced in Spanish America from the colonial period to 1888. May be taken independently of SPA 436. *3 credits*

SPA 436. SPANISH-AMERICAN LITERATURE II. Taught in Spanish. Stresses the coming of age of Spanish-American literature: Ruben Dario and modernismo; the development of the essay and the novel; significant literary works produced in the post modernistic period, from 1918 to the present. May be taken independently of SPA 435. *3 credits*

SPA 465, 466. SELECTED TOPICS. Includes but is not limited to areas of special interest in history of the language or the literatures of Spain and Latin America, including such topics as the romantic movement in Spain, the modern novel or literary criticism as such. Individual topics will be announced at the beginning of each semester. May be repeated for credit under various topics. Prerequisite: Any Spanish course at the 300 or 400 level. *3, 3 credits*

SPA 499. INDEPENDENT STUDY. Individual research under the direction of a member or members of the department. The students report in weekly conferences to their research advisor and present such papers as may be prescribed. Prerequisites: Advanced standing; completion of at least six hours of Spanish beyond the 200 level; cumulative grade point average of 3.00; consent of the Division Chair. A proposal must be approved prior to the end of the preceding semester. *3 credits*

Course Descriptions

SPEECH (SPE)

SPE 119. INTERPERSONAL COMMUNICATION AND LEADERSHIP SKILLS. An introduction to interpersonal communication and to leadership skills basic to all disciplines. Specific areas include an examination of the communication process and the role that perception plays in the formation of verbal and nonverbal messages. Emphasis will be placed on demonstrating the relationship of interpersonal skills with basic communication skills central to promoting excellence in leadership. Prerequisites: ENG 100/WAC 011 and ENG 101/RCA 021 or SAT exemption. *3 credits*

SPE 120. PUBLIC SPEAKING. This course develops the communication skills required for effective public speaking. It involves the study of good presentational skills coupled with intensive study in researching topics, outlining and effective speech organization. The course will provide practical experiences in presenting both informative and persuasive public speeches. Prerequisite: SPE 119. *3 credits*

SPE 221. ORAL INTERPRETATION OF LITERATURE. A study of the basic techniques of oral reading and presentation through projects designed to help the speaker use his or her voice and body effectively in expressing the ideas of others. Subject materials will include poetry, descriptive prose, dramatic literature and story telling. Prerequisite: SPE 119. *3 credits*

SPE 223. CONFERENCE TECHNIQUES. A study of principles of conference leadership and discussion; methods of logical analysis and reflective thinking. Conference and discussions on current issues. Prerequisite: SPE 120. *3 credits*

SPE 225. INTERCULTURAL COMMUNICATION. A study of the dynamics of intercultural communication involving an examination of the many factors and problems that come into play when people with varying cultural backgrounds encounter each other. Prerequisite: SPE 119. *3 credits*

SPE 227. VOICE AND DICTION. A course designed to help students improve their speaking ability by examining factors related to respiration, phonation, resonance, articulation, pronunciation, and to explore ways in which they might incorporate the proper usage of these processes in their everyday speech. *3 credits*

SPE 403. RHETORICAL CRITICISM. A course designed to acquaint students with the art of rhetoric. They will explore classical and contemporary rhetorical theory and criticism. Prerequisite: PHI 200. *3 credits*

SPE 465, 466. SELECTED TOPICS. Includes the study of areas of special interest in speech communication. Individual topics will be announced at the beginning of each semester. May be repeated for credit under varying topics. Prerequisite: To be announced with each topic. *3, 3 credits*

SPE 499. INDEPENDENT STUDY. Individual study and research under the direction of a member or members of the Division. Students will have weekly conferences with their advisors and do such readings and papers as may be required. Prerequisite: Advanced standing. Students must have completed at least 20 credits of speech and/or theatre courses beyond the 200 level with a cumulative grade point average of 3.00. Students must secure consent of the Division Chair and advisor. Written proposals must be approved prior to the end of the preceding semester. *3 credits*

THEATRE (THE)

THE 110. INTRODUCTION TO THEATRE. Surveys historical development and dramatic literature of the Greek, Roman, Medieval and Elizabethan periods, along with an examination of representative American, Caribbean and African plays. The student is also exposed to an overview of the technical aspects of a production. *3 credits*

THE 210. THEATRE SERVICE. The study of the basic theories of scene design, stage lighting, costume design, stage management and construction techniques applicable to stage settings. Three hours of instruction and full participation in one production per semester. *4 credits*

THE 211, 212, 213, 214. THEATRE PRODUCTION. The art of play production is studied from the practicum state of participation in a University of the Virgin Islands mainstage and/or studio productions. The technical assignment will be in one of the following areas: technical director, designer, lighting technician, wardrobe, stage manager. Work duties will be assigned by the technical advisor of a production if this is a technical position or rehearsals by the director if the student is cast in a major acting role. This course may be repeated four times for credit. The students will be encouraged to choose a different area for each repeat of the course. Prerequisite: THE 110. *1, 1, 1, 1 credit*

THE 220. BASIC STAGE MOVEMENT. This course emphasizes basic physical conditioning for the actor. It will enable a student to learn about gesture, the physical manifestation of emotion, and to become more relaxed and poised in front of an audience. The students will examine the styles and forms of period movement and their expression in relation to needs of the theatre. *3 credits*

THE 312. DIRECTING STAGE PRODUCTIONS. The study of the basic theories of stage directing including the director's preliminary investigation, script selection, script analysis, casting and staging techniques. *3 credits*

THE 315. THEATRE IN THE CARIBBEAN. This course will explore theatre in the English-speaking Caribbean starting from the Bahamas, Cayman Islands, U. S. and the British Virgin Islands, to Trinidad and Tobago, including Guyana. Students will study various forms of theatre from story-telling and carnival and festivals to formal presentations. *3 credits*

THE 323. BASIC ACTING. The study of the basic techniques, analytical skills and the principles which underlie the methodologies of acting as they relate to the actor's performance. Three lectures weekly and rehearsal time will be required. *3 credits*

THE 325. READERS THEATRE. Group training in effectively bringing the written drama to life with or without the traditional adjuncts of costuming, scenery, and lighting. The students will learn to script nondramatic literature for group presentations. Prerequisite: SPE 227 or SPE 221. *3 credits*

THE 411. CREATING THEATRE. Using creativity, problem-solving, and group-dynamics information and techniques, enrolled students will participate with available extracurricular volunteers in the actual invention and preparation of a theatre-piece. Though not a course in play-writing per se, students will adapt what are, conventionally speaking, nondramatic materials, fiction and nonfiction, articles, essays, etc., for a theatrical presentation and audience. Available for credit or as an extracurricular activity. Six hours per week. *3 credits*

Course Descriptions

THE 412. SCENE DESIGN AND STAGE LIGHTING. Designed to expand the students already existing awareness of the principles of design as applied to stage scenery and theatrical lighting. The student will create and execute a design of both a theatrical set and the accompanying stage lighting for a hypothetical production of either a community educational theatre piece. Prerequisite: THE 210 and at least one from THE 211, 212, 213, 214. *3 credits*

THE 413. THEATRE CRITICISM. The students examine the theatre experience through a critical analysis of the role of audience, dramatic structure, environment and visual elements, and performers and directors. The theatre process is studied by examining synopses and representative plays of appropriate genre. Prerequisites: THE 110 and at least one from THE 220, THE 312, THE 323. *3 credits*

THE 415. THEATRE MANAGEMENT. The students examine the business of theatre: organizing, funding, managing and sustaining an artistic enterprise. Emphasis is placed upon the roles of the producer, stage manager and house manager in professional, community and educational organizations. Prerequisite: THE 110. *3 credits*

THE 465,466. SELECTED TOPICS. Includes but is not limited to areas of special interest in dramatic literature, various genre of theatre, history of different periods of theatre, including era of "Isms," i.e., expressionism, surrealism, etc. Individual topics will be announced at the beginning of each semester. May be repeated for credit under varying topics. Prerequisite: To be announced with each topic. *3,3 credits*

THE 499. INDEPENDENT STUDY. Individual study and research under the direction of a member or members of the Division. Students will have weekly conferences with their advisors and do such readings and papers as may be required. Prerequisite: Advance standing. Students must have completed at least 20 credits of speech and/or theatre courses beyond the 200 level with a cumulative grade point average of 3.00. Students must secure consent of the Division Chair and advisor. Written proposals must be approved prior to the end of the preceding semester. *3 credits*



Faculty Listing by Division

BUSINESS ADMINISTRATION

STX Chair: A. Washington

C. Bodurow, R. Caldwell, G. Cox, F. Depusoir (on leave), B. Kisuule, L. Pickering, J. Munro, C. Rivera

STT Chair: E. Esdaille

C. Dennerly, G. Guttikonda, M. Hermann, R. Hull, L. Joyce, S. Kabuka, K. Matsumoto

EDUCATION

STX Chair: D. Griffith

C. Allen, J. Lovern, P. Moran, B. Wray

STT Chair: L. Thomas

E. Blake, S. Green, R. Harrigan, R. Howard A. Morales, R. Nicholls, A. Shuck

HUMANITIES

STX Chair : V. Knowles-Combie

L. Rosario DiMeo, D. Gould, S. Highfield, B. McKenna, M. Williams

STT Chair: L. Young-Wright,

V. Cooper, V. Donovan, G. Emanuel, E. Green, P. Harkins-Pierre, R. Harper, C. Henneman, M. Lamkin, D. Parker, T. Parris, M. Prenevost, A. Venzen, L. Wymer

NURSING EDUCATION

STX Chair: J. Marsh

J. Allmacher, L. Glover, S. Seip, K. Sheats (on leave)

STT Chair: G. Callwood

M. Nunez, E. Ramsay-Johnson, P. Smith, B. Stright, O. Torres

SCIENCE AND MATHEMATICS

STX Chair: V. Tyson

B. Blundell, E. Douglas, A.F. Lewit, J. Locke, T. Nichols, M. Petersen, M. Provost

STT Chair: R. Stolz

S. Bass, J. Battey, M. Boumedine, L. Buckley, J. Carroll, R. Dance, R. Gupta, R. Hall, M. Henry, D. Iannucci (on leave), S. Lorbach, C. McKayle, A. Parr, T. Perry, S. Ratchford, G. Ray, S. Romano (on leave), D. Smith, A. Stanford, N. Thomas, T. Turner, R. Watlington

SOCIAL SCIENCES

STX Chair: A. Baumann

S.B. Jones- Hendrickson (on leave), A. Highfield (on leave), D. Mathews, L. Roopnarine

STT Chair: D. Phillips

A. Belle, J. Chappell, K. Dudemaine, E. Iniama, H. Liverpool, A. Nelson, P. Rhymer Todman, M. Sekou



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B.S., Davenport University, formerly Detroit College of Business Administration, Dearborn, MI

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M.Ed., Cleveland State University

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B.S., University of the State of New York

M.S., Lehman College, Bronx, N.Y.

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B.A., University of London

M.A., Andrews University

Ph.D., University of Maryland

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CURTIS R. GILPIN, Assistant Athletic Director (STT Campus)

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LAURA VONWISMANN GLOVER, Associate Professor of Nursing (STX Campus)

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B.A., North Carolina University

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B.A., Syracuse University

M.A., University of the Virgin Islands

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B.A., Agra University, India

M.S., Institute of Social Sciences, India

Ph.D., Indian Statistical Institute

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M.S.C., Sardar Patel University, India

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Ph.D., Arizona State University

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D.E.S.S. I.A.E., Remmes, D.E.S.S. I.E.P., Paris; I.C.G., Paris

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Faculty and Professional Staff are also accessible by E-mail: Use the first initial and (up to) the first six letters of the last name... @uvi.edu. For example, to reach John Doe at the University of the Virgin Islands by E-mail, the address would be jdoo@uvi.edu. For more information about UVI, and to access a full phone directory, see the UVI Home Page at www.uvi.edu -- or call the Public Relations Office at (340) 693-1057.



Services Directory

	St. Croix (340) 692-		St. Thomas (340) 693-	
	Phone	Fax	Phone	Fax
Admissions	4158	4115	1150	1155
Alumni Affairs	4023	4025	1047	1045
Associate Chancellor	4180	4008	1120	1125
Athletic Department	--	--	1199	1197
Bookstore	4162	4004	1561	1565
Cafeteria	--	--	1137	--
Chancellor's Office	4000	4005	1140	1175
Counseling and Placement	4187	4008	1134	1095
Financial Aid	4193	4145	1090	1095
Freshman Center	4140	4115	1220	1227
Health Services	4214	4008	1124	1105
Human Resources	4199	4165	1410	1405
Information Technology Help Desk	4030	4105	1466	1543
Library Services	4130	4135	1367	1365
President's Office	--	--	1000	1005
Provost's Office	--	--	1200	1205
Reichhold Center for the Arts	--	--	1550	1555
Registrar's Office	4103	4115	1160	1155
Security	4444	4165	1530	1505
Snack Bar	3187	--	1113	--
Students Accounts	4160	4165	1437	1405
Students Activities Center	4188	4008	1111	1105
Student Government	4191	4008	1098	1014
Student Housing	4194	4008	1110	1105
Testing Services	4158	4115	1150	1155
Upward Bound	4182	4185	1130	1131
VIUCEDD	1919	5599	1322	1325

Academic Divisions

Business Administration	4151	4115	1300	1311
Education	4118	4115/4009	1320	1335
Humanities	4126	4115	1340	1345
Nursing Education	4010/4011	4015	1290	1285
Science and Math	4157	4009	1230	1245
Social Sciences	4149	4115	1260	1265

Printing Tips -----

Please note, this PDF documents includes a 12-page introduction.
It is numbered i – xii.

This must be kept in mind when selecting pages to print.

Examples:

To print page **vii**

– SELECT the PAGE RANGE **7-7** in the print dialog window.

To print pages **53 to 57**

– use the formula $53 + 12 = 65$ & $57 + 12 = 69$

and SELECT the PAGE RANGE **65-69** in the print dialog menu.

In other words, when working with the main body of the catalog,
add 12 to any page number you wish to print.