Associate of Science Degree

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

Physics Major

The Associate of Science degree 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 (see pp. 77-78), 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

B. Required courses in science and mathematics: Credits

CHE 151-152	General Chemistry I-II	4-4
CHE 151L-152L	General Chemistry Lab I-II	1-1
or		
BIO 141-142	General Biology I-II	4-4
CSC 117	Introduction to Programming I	4
CSC 333	Programming Languages	
or 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	
or PHY 321	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 of 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 of 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 COURSES   **Credits**

A. FRESHMAN DEVELOPMENT SEMINAR (FDS)*   **0-1**

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

B. HUMANITIES   **9-12**

Courses fulfilling the humanities electives include:
humanities, communication, English, French, Spanish, music, theatre, philosophy, art.

C. MATHEMATICS AND/OR SCIENCE   **7-11**

D. SOCIAL SCIENCES   **3**

Courses fulfilling the social sciences elective include:
anthropology, criminal justice, economics, geography, history, political science, psychology, sociology.

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 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.

Associate of Applied Science Degree

Additionally, students must successfully pass the following examinations:

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

Please review entry requirements for EPE and CLE on pp. 66.

Degree Majors and Programs – A.A.S. Degree

COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

Criminal Justice - Albert A. Sheen Campus and St. Thomas Campus

COLLEGE OF SCIENCE AND MATHEMATICS

Process Technology - Albert A. Sheen Campus

COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

Criminal Justice Major

The A.A.S. in criminal justice is an interdisciplinary program that is designed to prepare students for employment in entry-level and advanced positions in the public and private sectors. This program prepares students for such positions as police officer, marshal, corrections officer, enforcement officers, state or federal patrol, customs agent, as well as manager and supervisor in these fields. It is recommended that students select additional courses from the criminal justice major core courses in order to broaden their preparation or to direct their program toward their interested field of specialization. Students should seek advisement from their criminal justice advisor to plan their career path and select appropriate electives and substitutions where available in the paradigm.

Admission to the Criminal Justice Major

- Achieved a cumulative GPA of 2.33 or higher following the completion of 26 credits of which 15 credit hours must have been taken at UVI
- Earned a grade of C+ or better in CJU 110
- Completed an application
- Completed a pre-admission interview

Major Requirements

Students pursuing an A.A.S., B.A. or B.S. in criminal justice are required to earn a minimum grade of C in all required courses in criminal justice, except for CJU 250 Criminal Justice Internship in which students must earn a minimum grade of B.

Students declaring this major must meet the following requirements before taking any CJU courses:

1. completion of WAC and RAC or received a passing grade on the placement exam(s) for entrance into ENG 120
2. completion of MAT 023 and MAT 024 or received a passing grade on the placement exam(s) for entrance into MAT 140, MAT 143 or MAT 153

Associate of Applied Science Degree

I. GENERAL EDUCATION COURSES   Credits

A. FRESHMAN DEVELOPMENT SEMINAR (FDS)*   1

B. HUMANITIES   Credits

COM 119	Interpersonal Communication and Leadership Skills	3
ENG 120	English Composition	3
ENG 201	Research and Applied Writing	3

C. MATHEMATICS AND/OR SCIENCE   Credits

MAT 140	College Algebra with Applications	4
and		
MAT 235	Introductory Statistics with Applications	4

D. SOCIAL SCIENCES   Credits

SSC 100*	An Introduction to the Social Sciences: A Caribbean Focus	3

TOTAL CREDITS   20-21

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

E. Required courses in communication, criminal justice, political science, psychology, sociology and Spanish:

                                                                                              Credits

COM 120	Public Speaking	3
CJU 110	Introduction to Criminal Justice	3
CJU 205	Administration of Justice	3
CJU 207	Criminal Law	3
CJU 240	Constitutional Law	3
CJU 250	Criminal Justice Internship	3
POL 120	Introduction to Political Science	3
PSY 120	Introduction to Psychology	3
SOC 121	Introduction to Sociology	3
SPA 131-132	Functional Elementary Spanish I-II	4-4

F. The student must choose a minimum of 6 credits of electives from the following courses:

Accounting:	ACC 121-122
Biology:	BIO 141-142, BIO 245, BIO 295
Business:	BUS 112
Chemistry:	CHE 151-152, CHE 251, CHE 252
Communication:	COM 110, COM 223, COM 225
Computer Science:	CSC 111 or CSC 101, CSC 119, CSC 239
Criminal Justice:	CJU 120, CJU 222, CJU 223, CJU 224
Economics:	ECO 221, ECO 222
Humanities:	HUM 210
Military Science:	MSL 101, MSL 102, MSL 201, MSL 202
Political Science:	POL 121-122, POL 129
Psychology:	PSY 202, PSY 203, PSY 223
Sociology:	SOC 124, SOC 223

Associate of Applied Science Degree

COLLEGE OF SCIENCE AND MATHEMATICS

Process Technology Major

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 in a wide range of process industries. The program blends essential elements of training for industrial process operations with general education courses needed by industrial plant employees such as reading, writing, communication, and mathematics.

This program is a collaborative effort between the College of Science and Mathematics and several local industrial partners. It is modeled after similar programs offered at community colleges and universities throughout the United States. 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**

COM 119	Interpersonal Communication and Leadership Skills	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**

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 141	Introduction to Chemistry	4
CHE 141L	Introduction to Chemistry Lab	1
PRT 225	Safety, Health & Environment	3
PRT 231	Process Technology II - Systems	2
	Total	**16**

Fourth Semester   **Credits**

CIS 101	Business Software Applications	3
PRT 232	Process Technology III - Operations	3
PRT 240	Process Troubleshooting	3
PRT 275	Internship	3
General elective course with a minimum of two credits		2
	Total	**14**