



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.

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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 p. 65.

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

SCHOOL OF AGRICULTURE

Agricultural Business – Albert A. Sheen Campus
Agroecology – Albert A Sheen Campus
General Agriculture – Albert A. Sheen Campus
Horticulture – Albert A. Sheen Campus

COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

Criminal Justice - Albert A. Sheen Campus and Orville E. Kean Campus

COLLEGE OF SCIENCE AND MATHEMATICS

Process Technology - Albert A. Sheen Campus
Renewable Energy Technology – Albert A. Sheen Campus

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SCHOOL OF AGRICULTURE

Mission

The School of Agriculture embraces its land-grant mission of providing innovative and cutting-edge research, teaching, and extension programs that respond to the educational, social, economic, and environmental needs of the citizens of the U.S. Virgin Islands and the Caribbean region.

Programs

The School of Agriculture was established on June 22, 2020 by the Board of Trustees of the institution. Just like any other School of Agriculture in land-grant colleges and universities in the United States, our tripartite mission is centered around research, teaching and extension, as mentioned above. Our research mission is accomplished through the work of research faculty and staff in the Agricultural Experiment Station (AES), and we fulfill our extension mission through the efforts of extension faculty and staff in the Cooperative Extension Service (CES). We attain our teaching mission through the dedication of the teaching faculty members in the newly added academic unit of the school.

The new academic unit of the School of Agriculture is the house to a variety of our innovative academic programs that prepare students for employment, graduate and professional schools, and leadership roles in the agriculture industry. The academic programs and curricula are in animal science, agricultural business, agroecology, agrotourism, forestry and nursery management, aquaculture, aquaponics, cannabis biotechnology, cannabis social sciences, general agriculture, horticulture, and regulatory science. The programs range from 15 to 18 credits for a certificate, 62 to 65 credits for an associate of applied science, and approximately 120 credits for a Bachelor of Science degree. Graduate programs are also being developed.

We envision the School of Agriculture to be a friendly and family-oriented organization for students, faculty, and staff. Armed with the core values of the institution, we hope that our students will go on to enrich lives by making positive contributions to their communities and their professions because of the knowledge, skills, and experiences they acquired in the School of Agriculture.

Agricultural Business Major

This program provides training for a wide variety of careers in the agribusiness industry. Students in associate's degree programs in agricultural business develop marketing, management, agricultural systems and problem-solving skills. Classes include required credits in agribusiness as well as liberal arts, science and general elective courses. The program integrates the disciplines of business and agricultural business, economics, quantitative methods and agricultural sciences. Course offerings include farm management and planning, marketing, financial accounting, agricultural economics, and agricultural policy and regulations. This curriculum provides students excellent preparation for careers in farm management, sales, marketing, international trade, agricultural processing, management, communications, public relations, finance and appraisal.

Course Requirements

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

FDS 100

Freshman Development Seminar

1

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B. Required courses in humanities		Credits
COM 119	Interpersonal Communication & Leadership Skills	3
ENG 120	English Composition	3
ENG 201	Research & Applied Writing	3
C. Required courses in mathematics and science		Credits
BIO 141-142	General Biology I-II	4-4
MAT 140	College Algebra with Application	4
or MAT 143	PreCalculus Algebra,	4
or exemption based on placement by the Department of Mathematical Sciences		
D. Required courses in social sciences		Credits
SSC 100	Introduction to the Social Sciences	3
E. Required courses		Credits
ACC 201	Financial Accounting	3
AGR 101	Introduction to Agriculture	3
AGR 201	Agricultural Economics	4
AGR 203	Farm Management & Planning	4
AGR 210	Agricultural Cooperatives	2
AGR 223	Agricultural Policy and Reforms	3
AGR 255	Agriculture Internship	3
BUS 112	Introduction to Business	3
COM 225	Intercultural Communication	3
F. An additional 9-11 credit hours are required from the following:		Credits
AGR 125	Plant Science	3
AGR 130	General Horticulture	3
AGR 202	Agronomy	4
AGR 206	Animal Science	4
COM 120	Public Speaking	3

Agroecology Major

The Associate of Applied Science degree in agroecology will investigate both the science and social impact of agroecology in the tropics. The terms agroecology and sustainable agriculture will be explained in detail and defined, and applications of the agroecological perspective to the ecosystems and agriculture unique to the tropics will be discussed. Students will be exposed to the multiple perspectives inherent in agroecology, including the social and political dimensions. Of critical importance is the determination of the wider implications of agricultural land uses to other areas of human life and the environment. Opportunities will be presented to students to review the interconnections in tropical agroecology with other disciplines and propose potential applications of an agroecological approach for the betterment of the U.S. Virgin Islands. This is an interdisciplinary program thus, a wide variety of topics and disciplines will be identified and discussed.

Students will be expected to complete 9 required courses and 1 elective course, a total of 30 and 3-4 credit hours, respectively. The majority of the required courses will consist of a lab component designed to reinforce knowledge communicated in the classroom, and provide

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the experiential skills necessary for completion of program. The Associate of Applied Science degree should be completed in two years through a combination of face-to-face, hybrid, and online classes.

Course Requirements

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

FDS 100	Freshman Development Seminar	1
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B. Required courses in humanities Credits

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

C. Required courses in mathematics and science Credits

BIO 141-142	General Biology I-II	4-4
BIO 223	Ecology	4
CHE 111	Principles of Chemistry	4
ENV 200	Introduction to Environmental Science and Policy	3
MAT 140	College Algebra with Application	4
or MAT 143	PreCalculus Algebra,	4
or exemption based on placement by the Department of Mathematical Sciences		

D. Required courses in social sciences Credits

SSC 100	Introduction to the Social Sciences	3
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E. Required courses Credits

AGR 101	Introduction to Agriculture	3
AGR 125	Plant Science	3
AGR 202	Agronomy	4
AGR 220	Soil Science	4
AGR 225	Tropical Agroecology	3
AGR 230	Integrated Pest Management	3
AGR 255	Agriculture Internship	3

F. An additional 3 or 4 credit hours are required from the following: Credits

AGR 130	General Horticulture	3
AGR 135	Landscape Design and Management	3
AGR 203	Farm Management and Planning	4
AGR 206	Animal Science	4

General Agriculture Major

The Associate of Applied Science degree in General Agriculture is designed to prepare students for employment in a variety of agriculture-related positions including ag sales, farm management, supplies and service, and production. Courses cover topics such as Introduction to Agriculture, Livestock Production, Tropical Agroecology, and Farm

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Management and Planning. Students will gain an understanding of livestock production, plants, soils, biotechnology, natural resources, and sustainable agriculture as it relates to the global food industry. They will be able to identify the principles of animal science and apply these principles to efficient livestock production, demonstrate an understanding of economic principles and their application to farm management and of management principles in both domestic and international markets. The fundamentals of plant structure, growth, and development and the principles and methods of growing various ornamental, fruit, vegetable, and agronomic crops will be discussed in detail so students can understand the interactions of environmental factors and crop plants. The course will also take an in depth look at principles such as digestion and the digestibility of feeds, their nutritive values, grades, and classes; identify the principles of selection, evaluation, and ration formulations for livestock; fundamentals of aquaculture - methods and techniques used in the aquaculture of fresh and saltwater fish species.

Course Requirements

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

FDS 100	Freshman Development Seminar	1
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B. Required courses in humanities: Credits

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

C. Required courses in mathematics and science: Credits

BIO 141-142	General Biology I-II	4-4
CHE 111	Principles of Chemistry	4
MAT 140	College Algebra with Application	4
or MAT 143	PreCalculus Algebra,	4
or exemption based on placement by the Department of Mathematical Sciences		

D. Required courses in social sciences: Credits

SSC 100	Introduction to the Social Sciences	3
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E. Required agriculture courses: Credits

AGR 101	Introduction to Agriculture	3
AGR 115	Introduction to Marine & Freshwater Aquaculture Production	3
AGR 130	General Horticulture	3
AGR 201	Agricultural Economics	3
AGR 203	Farm Management and Planning	4
AGR 225	Tropical Agroecology	3
AGR 230	Integrated Pest Management	3
AGR 232	Livestock Production	3
AGR 255	Agriculture Internship	3

F. An additional 5 credit hours are required from the following: Credits

AGR 204	Tropical Horticulture	4
AGR 207	Equine Science	3

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		Credits
AGR 210	Agricultural Cooperatives	2
AGR 231	Bee Keeping	2
AGR 235	Plant Propagation	3

Horticulture Major

The Associate of Applied Science degree in Horticulture is designed to prepare students with the knowledge and skills for a successful career in the horticulture industry. The coursework, in addition to providing a solid science foundation for propagation, production, and managing plants, also provides students with critical hands-on experience, both in the lab and the field. Courses in soils, plant diseases, vegetable production, and tropical horticulture are integral components of the program. On completion of this program students have the opportunity or option to transfer to a Bachelor of Science program in areas such as horticulture, plant and soil sciences, and agribusiness. Most of the required courses will consist of a lab component designed to reinforce knowledge communicated in the classroom, and provide the experiential skills necessary for completion of program. The Associate of Applied Science degree should be completed in two years through a combination of face-to-face, hybrid, and online classes.

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

		Credits
FDS 100	Freshman Development Seminar	1

B. Required courses in humanities:

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

C. Required courses in mathematics and science:

		Credits
BIO 141-142	General Biology I-II	4-4
MAT 140	College Algebra with Application	4
or MAT 143	PreCalculus Algebra,	4
or exemption based on placement by the Department of Mathematical Sciences		

D. Required course in social sciences:

		Credits
SSC 100	Introduction to the Social Sciences	3

E. Required courses

		Credits
AGR 101	Introduction to Agriculture	3
AGR 125	Plant Science	3
AGR 130	General Horticulture	3
AGR 203	Farm Management & Planning	4
AGR 220	Soil Science	4
AGR 230	Integrated Pest Management	3
AGR 240	Vegetable Production	3
AGR 245	Fruit Production	3
AGR 255	Agriculture Internship	3

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F. An additional 7 credit hours are required from the following:

Credits

AGR 135	Landscape Design and Management	3
AGR 204	Tropical Horticulture	4
AGR 225	Tropical Agroecology	3
AGR 235	Plant Propagation	3

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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

In addition to the general education requirements, (see p. 88-90), the following courses are required

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

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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

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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

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		Credits
PRT 240	Process Troubleshooting	3
PRT 275	Internship	3
General elective course with a minimum of two credits		2
Total		14

Renewable Energy Technology Major

The Associate of Applied Science degree in renewable energy technology will educate students and future professionals in basic electrical concepts, renewable energy technologies, and installation and repair of photovoltaic (PV) systems. The AAS in RET will generate a capable workforce that will be able to help the USVI, the Caribbean region, and the US to accelerate its renewable energy revolution.

The following courses are required to meet the Associate of Applied Science degree in Renewable Energy Technology requirements:

A. Freshman studies (Required for all students matriculating into the University with fewer than 24 credits.)		Credits
FDS 100	Freshman Development Seminar	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
EGR 131	Engineering Drawing	3
MAT 140	College Algebra with Applications*	
or MAT 143	Pre-Calculus Algebra (MAT 143 recommended)*	4
PRT 110	Basic Electricity Theory	3
PRT 225	Safety, Health, and Environment	3
SCI 100	The Natural World: The Caribbean	3
SCI 301	Applications of Principles from the Natural World	
or MAT 153	College Trigonometry*	3-4
*A student exempted from College Algebra or Trigonometry should meet with an advisor to select appropriate courses to fulfill the 62 credits minimum to meet AAS degree requirements.		
D. Social sciences		Credits
SSC 220	Introduction to Geographic Information Systems	3
E. Entrepreneurship and marketing		Credits
ENT 205	Innovation and Entrepreneurship	3
MKT 301	Principles of Marketing	3
F. Renewable energy technology		Credits
RET 110	Introduction to Renewable Energy	3
RET 120	Energy Auditing	3

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		Credits
RET 210	Residential Renewable Energy	3
RET 221	Photovoltaic Installation	3
RET 221L	Photovoltaic Installation Lab	2
RET 230	Commercial Maintenance and Monitoring	3
RET 250	Selected Topics in Renewable Energy	3
RET 275	Internship	5

II. Other Requirements

In partial fulfillment of the degree requirements, all students are required to pass the English Proficiency Exam and the Computer Literacy Exam. Please see requirements for completing the EPE and CLE on p. 65.

In addition, students must earn a minimum cumulative grade point average of 2.00 to graduate. Any course work completed more than 10 years ago must be reviewed to determine applicability to the current curriculum.

Students must earn at minimum 30 of the last 36 credits at the University of Virgin Islands.