

Code	I Term	Credits
CIE 101	Introduction to Natural Sciences	3
COM 109	Communication and Leadership	2
CUL 101	Tropical Crops	3
EMP 109	Entrepreneurship Experience I: Design	1
ERS 103	Recreation and Comprehensive Health I	0
EXP 100	Work Experience*	2
HUM 106	University Life Orientation Seminar I	0
IGA 101	Operation of Agricultural Equipment	1
INF 101	Computer Workshop	0
MAT 105	Basic Skills in Mathematics I	2
	<b>Subtotal</b>	<b>14</b>

Code	II Term	Credits
COM 110	Professional Communication	2
CUL 102	Tropical Crop Production	3
EMP 110	Business Models	2
EMP 111	Entrepreneurship Experience II: Sizing	1
ERS 106	Health Promotion	2
ERS 104	Recreation and Comprehensive Health II	0
EXP 100	Work Experience *	2
IGA 103	Mechanical Skills	2
ING 101	English	2
MAT 106	Basic Skills in Mathematics II	2
RCN 101	Ecological Bases for Natural Resource Management	3
	<b>Subtotal</b>	<b>21</b>

**The plan of studies is subject to change each year.**

The courses can change the order of the term.



# 2025

## Curriculum Degree in Agricultural Sciences

First  
year

Code	III Term	Credits
COM 111	Scientific Communication and Critical Thinking	2
CUL 103	Sustainable Management of Tropical Crops	3
EMP 112	Finance and Entrepreneurship	2
EMP 113	Entrepreneurship Experience III: Negotiation and Financing	1
ERS 105	Recreation and Comprehensive Health III	0
EXP 100	Work Experience*	2
HUM 105	Opportunities for Development and Equity	3
HUM 107	University Life Orientation Seminar II	0
ING 102	English	2
MAT 107	Quantitative Skills for Agriculture Sciences	2
PRA 101	Tropical Animal Production	3
	<b>Subtotal</b>	<b>20</b>

Code	EXP Work Experience*
EXP 111	Farm Crops
EXP 112	Integrated Organic Farm
EXP 113	Integrated Livestock Farm
EXP 114	Forestry Farm
EXP 115	Community
EXP 116	Academic Agricultural Services and Practices

**The plan of studies is subject to change each year.**

The courses can change the order of the term.

Code	I Term	Credits
CUL 205	Weed Management in Agroecosystems	3
EMP 205	Entrepreneurial Project: Entrepreneurial Experience	2
EMP 208	Accounting and Information Systems	2
EXP 200	Work Experience *	2
HUM 203	Rural Development and Sustainable Communities	2
ING 201	English	2
MAT 202	Calculus for Agriculture Sciences I	2
PRA 201	Animal Reproduction and Lactation	3
	<b>Subtotal</b>	<b>18</b>

Code	II Term	Credits
CIE 201	Applied Genetics	3
CIE 202	Inorganic Chemical Processes	3
EMP 206	Entrepreneurial Project: Entrepreneurial Experience	2
EXP 200	Work Experience**	2
ING 202	English	2
MAT 201	General Statistics	3
	<b>Subtotal</b>	<b>15</b>

**The plan of studies is subject to change each year.**  
The courses can change the order of the term.

Code	III Term	Credits
CIE 203	Organic Chemical and Biochemical Processes	3
CUL 201	Pest Control: Entomology	3
CUL 202	Pest Control: Diseases	3
EMP 207	Entrepreneurial Project: Entrepreneurial Experience	2
EMP 209	Finance	2
ERS 202	Public Health and Food Systems	2
EXP 200	Work Experience*	2
ING 203	English	2
	<b>Subtotal</b>	<b>19</b>

Code	EXP Work Experience**
EXP 209	Farm Crops
EXP 210	Integrated Organic Farm
EXP 211	Integrated Livestock Farm
EXP 212	Forestry Farm
EXP 213	Community
EXP 214	Academic Agricultural Services and Practices

**The plan of studies is subject to change each year.**

The courses can change the order of the term.

Code	I Term	Credits
EMP 307	Sustainability Assessment of Agribusinesses	2
EMP 308	Entrepreneurship Experience VII: Sustainable Evaluation of Agribusinesses	1
EXP 303	Work Experience: Agribusiness	2
IGA 301	Spatial Information Management	2
ING 301	English	2
PRA 302	Sustainable Agricultural Systems	3
RCN 301	Tropical Silviculture	3
SUE 301	Properties of Tropical Soils	3
	<b>Subtotal</b>	<b>18</b>

Code	II Term	Credits
AGI 301	Physiological Processes and Post Harvest Systems	3
CIE 301	Applied Ecology	3
EMP 309	Business Acceleration	2
EMP 310	Entrepreneurship Experience VIII: Business Acceleration	1
EXP 304	Work Experience: Community	2
ING 302	English	2
MAT 301	Calculus for Agriculture Sciences II	2
PAS 304	Preparation for the Internship	1
SUE 302	Management and Conservation of Tropical Soils	3
	<b>Subtotal</b>	<b>19</b>

Code	III Term	Credits
PAS 305	Internship	14

**The plan of studies is subject to change each year.**

The courses can change the order of the term.

Code	I Term	Credits
AGI 401	Food Processing	3
ELECTIVE 1	**	3
EPR 404	Professional Experience	2
HUM 404	Ethics and Critical Thinking	2
ING 401	English	2
PAS 402	Internship Analysis	1
PPG 401	Proposal Development Methodology	2
PPG 402	Graduation Project	1
	<b>Subtotal</b>	<b>16</b>

Code	II Term	Credits
CIE 408	Physics	2
ELECTIVE 2	**	3
EPR 405	Professional Experience	2
IGA 402	Irrigation and Drainage	3
ING 402	English	2
PPG 403	Graduation Project	2
	<b>Subtotal</b>	<b>14</b>

Code	III Term	Credits
EPR 406	Professional Experience	2
EMP 428	Internationalization of Companies	2
IGA 401	Waste Management	3
PPG 404	Graduation Project	2
ELECTIVE 3	**	3
ELECTIVE 4	**	3
	<b>Subtotal</b>	<b>15</b>

**The plan of studies is subject to change each year.**

The courses can change the order of the term.

### Elective Course

Code	Elective course**	Credits
AGI 407	Design and Structure of Food Products	3
CUL 401	Tropical Fruit Production	3
CUL 403	Banana Cultivation	3
CUL 404	Coffee Cultivation	3
CUL 419	Ornamental Plants	3
CUL 420	Rice Crop Production	3
CUL 423	Apiculture	3
CUL 427	Practical Applications of Plant Physiology in Tropical Crops	3
EMP 415	Strategic Administration of Sales	3
EMP 423	Management and Organizational Development	3
HUM 405	Conflict Resolution Skills	3
IGA 405	Geospatial Technologies Applied to Precision Agriculture	3
PRA 403	Fish Culture	3
PRA 405	Animal Nutrition	3
RCN 406	Applied Biogas Technology	3
RCN 408	Renewable Energies for Rural Communities: Bioenergy, Wind and Water	3
RCN 411	Bioinputs for Agricultural Systems	3
RCN 414	Sustainable Forest Management in the Tropics as an Instrument for Economic Development	3

**The plan of studies is subject to change each year.**

\*\* Elective courses vary each term, the courses shown here are for your reference.