



## PLAN OF STUDIES 2019

<b>FIRST YEAR</b>		
<b>CODE</b>	<b>I TRIMESTER</b>	<b>CREDITS</b>
CIE101	Introduction to Natural Sciences	3
COM 104	Spanish as Second Language*	0
COM106	Communication and Cultures	1
CUL101	Tropical Crops	3
EMP104	Entrepreneurial Project: Entrepreneurial Immersion	0
ERS103	Recreation and Comprehensive Health I	0
EXP100	Work Experience**	2
HUM106	University Life Orientation Seminar I	0
IGA101	Operation of Agricultural Equipment	1
INF101	Computer Workshop	0
MAT105	Basic Skills in Mathematics I	2
	Subtotal	12
<b>CODE</b>	<b>II TRIMESTER</b>	<b>CREDITS</b>
COM 105	Spanish as Second Language*	0
COM 107	Written Communication	2
CUL102	Tropical Crop Production	3
EMP105	Entrepreneurial Project: Laboratory Formulation of Business Plan I	2
EMP 107	Introduction to Entrepreneurship	2
ERS101	Health Promotion	2
ERS 104	Recreation and Comprehensive Health II	0
EXP100	Work Experience**	2
IGA102	Mechanical Skills	1
ING101	English	2
MAT 106	Basic Skills in Mathematics II	2
RCN101	Fundamentals of Ecological Management of the Resources of the Humid Tropics	3
	Subtotal	21
<b>CODE</b>	<b>III TRIMESTER</b>	<b>CREDITS</b>
COM103	Oral Communication Workshop	1
COM 108	Literacy Skills *	1
CUL103	Tropical Crop Management	3
EMP106	Entrepreneurial Project: Laboratory Formulation of Business Plan II	2
EMP 108	Business Planning and Organization	2
ERS 105	Recreation and Comprehensive Health III	0
EXP100	Work Experience**	2
HUM105	Opportunities for Development and Equity	3
HUM107	University Life Orientation Seminar II	0
ING102	English	2
MAT107	Quantitative Skills for Agriculture Sciences	2
PRA101	Tropical Animal production	3
	Subtotal	21
EXP	Work Experience**	
EXP111	Farm Crops	
EXP112	Integrated Organic Farm	
EXP113	Integrated Livestock Farm	
EXP114	Forestry Farm	
EXP 115	Community	
EXP 116	Academic Agricultural Services and Practices	
*non-Hispanic students		
The courses can change the order of the quarter depending on the student's group		



## PLAN OF STUDIES 2019

<b>SECOND YEAR</b>		
<b>CODE</b>	<b>I TRIMESTER</b>	<b>CREDITS</b>
COM 203	Applied Academic Writing	0
CUL203	Pest Control: Weeds	3
EMP 205	Entrepreneurial Project: Entrepreneurial Experience	2
EMP 208	Accounting and Information Systems	2
EXP200	Work Experience **	2
HUM203	Rural Development and Sustainable Communities	2
ING201	English	2
PRA 201	Animal Reproduction and Lactation	3
	Subtotal	16
<b>CODE</b>	<b>II TRIMESTER</b>	<b>CREDITS</b>
CIE201	Applied Genetics	3
CIE 202	Inorganic Chemical Processes	3
EMP206	Entrepreneurial Project: Entrepreneurial Experience	2
EXP200	Work Experience **	2
ING202	English	2
MAT201	General Statistics	3
MAT 202	Calculus for Agriculture I	2
	Subtotal	17
<b>CODE</b>	<b>III TRIMESTER</b>	<b>CREDITS</b>
CIE203	Organic Chemical and Biochemical Processes	3
CUL201	Pest Control: Entomology	3
CUL202	Pest Control: Diseases	3
EMP207	Entrepreneurial Project: Entrepreneurial Experience	2
EMP 209	Finance	2
ERS201	Health and Well-Being	2
EXP200	Work Experience **	2
ING203	English	2
	Subtotal	19
EXP	Work Experience **	
EXP209	Farm Crops	
EXP210	Integrated Organic Farm	
EXP211	Integrated Livestock Farm	
EXP212	Forestry Farm	
EXP213	Community	
EXP214	Academic Agricultural Services and Practices	
The courses can change the order of the quarter depending on the student's group		

## PLAN OF STUDIES 2019

<i>THIRD YEAR</i>		
CODE	I TRIMESTER I PERÍOD	CREDITS
EXP 300	Work Experience	3
EXP300-1	Sustainable Development and Rural Families	
EXP300-2	Agro-Entrepreneurial Development	
EXP300-3	Organizational Development	
I TRIMESTER II PERÍOD		
AGI 301	Physiological Processes and Post Harvest Systems	3
EMP303	Entrepreneurial Project: Entrepreneurial Experience	2
EMP305	Project Evaluation	2
ING 302	English	1
PRA 301	Sustainable Agricultural Systems	3
II TRIMESTER I PERÍOD		
IGA 301	Spatial Information Management	2
ING 301	English	2
RCN 301	Tropical Silviculture	3
SUE 301	Properties of Tropical Soils	3
II TRIMESTER II PERÍOD		
CIE 301	Applied Ecology	3
EMP 304	Entrepreneurial Project: Final Project	2
EMP 306	Socio Environmental Economics	2
PAS 304	Preparation for the Internship	1
MAT301	Calculus for Agriculture II	1
SUE 302	Management and Conservation of tropical Soils	3
III TRIMESTER		
PAS 305	Internship	14
The courses can change the order of the quarter depending on the student's group		

## PLAN OF STUDIES 2019

<b>FOURTH YEAR</b>		
<b>CODE</b>	<b>I TRIMESTER</b>	<b>CREDIT</b>
AGI401	Food Processing	3
ELECTIVO	***	3
EPR404	Professional Experience	2
HUM 404	Ethics and Critical Thinking	2
ING401	English	2
PAS402	Internship Analysis	1
PPG401	Proposal Development Methodology	2
PPG402	Graduation Project	1
	Subtotal	16
<b>CODE</b>	<b>II TRIMESTER</b>	<b>CREDIT</b>
CIE401	Physics	2
ELECTIVO 1	***	3
EPR405	Professional Experience	2
IGA402	Irrigation and Drainage	3
ING402	English	2
PPG403	Graduation Project	2
	Subtotal	14
<b>CODE</b>	<b>III TRIMESTER</b>	<b>CREDIT</b>
EPR406	Professional Experience	2
EMP 414	Global Economy and Regional Systems	3
IGA 401	Waste Management	3
PPG 404	Graduation Project	2
ELECTIVO 1	***	3
ELECTIVO 2	***	3
	Subtotal	16
<b>Elective Course***</b>		
AGI 405	Industrialization and Entrepreneurship of Food	
CUL 404	Coffee Cultivation	
CUL 419	Ornamental Plants	
CUL 423	Apiculture	
CUL 425	Rational Pesticide Management	
CUL 427	Practical Applications of Plant Physiology in Tropical Crops	
CUL408	Banana Farm Administration	
CUL426	Participatory Phytosanitary Agroforestry Diagnosis	
CUL428	Agroecology and Biodiversity of Microscopic Fungi	
EMP 407	Human Resources Administration	
EMP 415	Strategic Administration of Sales	
EMP 420	Associative Rural Enterprises	
IGA 405	Geospatial Technologies Applied to Precision Agriculture	
PRA 403	Fish Culture	
PRA 405	Animal Nutrition	
PRA 408	Fish Culture II	
RCN 405	Clean Energy on Rural Areas	
RCN 406	Applied Biogas Technology	
Elective courses vary each semester, the courses shown here are for your reference.		
The courses can change the order of the quarter depending on the student's group		