



EDUCACIÓN CON
RESPONSABILIDAD
SOCIAL

UNIVERSIDAD DE COLIMA



International Affairs and Academic Cooperation Office

List of Courses Taught in English and French [2020]

▲ 123 courses taught in English in 25 Educational Programs:

- B.Sc. in Physics
- B.Sc. in Mathematics
- B.Sc. International Relations
- B.Sc. in Nursing
- B.Sc. in Administration
- B.A. in Marketing
- B.A. in Hispanic Literature
- B.Sc. in Internet Technology
- B.A. Public Relations and Advertising
- B.Sc. in Telematics
- B.Sc. in Chemical Metallurgy Eng.
- B.Sc. in Food Chemistry Eng.
- B.Sc. in Mechatronic Eng.
- B.Sc. in Computer Systems Eng.
- B.Sc. in Intelligent Computing Eng.
- B.A. in Philosophy
- B.A. in Language Teaching
- B.Sc. in Ocean Eng.
- B.Sc. in Oceanology
- B.Sc. in Foreign Trade
- B.Sc. in Customs Administration
- B.Sc. in Chemical Pharmaceutical Biology
- B.Sc. in Mechanical and Electrical Eng.
- B.Sc. in Electronic and Telecom Systems Eng.
- B.Sc. in Tourism

[Eng. stands for Engineering]

▲ 8 courses taught in French in one Educational Program: B.A. in Language Teaching

▲ Total of Educational Programs (English-based only):

- B.Sc. in International Business

▲ Total of Undergraduate Bilingual Programs:

- Bachillerato Técnico #33

Faculty of Sciences				
Bachelor	Semester Information	Course Name	Professor	Prerequisite
B.Sc. in Physics	Spring Semester			
	(6 th)	Quantum Mechanics II		
	(6 th)	Statistical Mechanics		
	(6 th)	Solid State Physics		
	(8 th)	Thesis Seminar II		
	Fall Semester			
	(5 th)	Quantum Mechanics I		
	(5 th)	Mathematical Methods for		

B.Sc. in Physics		Physicists		
	(5 th)	Computational Physicists		
	(5 th)	Preparation for Graduate Studies		
	(7 th)	Thesis Seminar I		

Faculty of Sciences				
Bachelor	Semester Information	Course Name	Professor	Prerequisite
B.Sc. in Mathematics	Spring Semester			
	(6 th / 8 th)	Differential Geometry		
	(6 th / 8 th)	Special Topics in Geometry and Topology		
	(6 th / 8 th)	Stochastic Processes		
	(6 th / 8 th)	Thesis Seminar II		

Faculty of Political and Social Sciences				
Bachelor	Semester Information	Course Name	Professor	Prerequisite
B.Sc. in International Relations	Fall Semester			
	(7 th)	Civil Society Organizations and International Cooperation for Development		

Faculty of Nursing				
Bachelor	Semester Information	Course Name	Professor	Prerequisite
B.Sc. in Nursing	Spring Semester			
	(2 nd)	Basic and Psychosocial Nursing	M.E.Sc. Magdalena Sánchez Urbina	
	Fall Semester			
	(1 st)	Introduction to Nursing	M.E.Sc. Magdalena Sánchez Urbina	
	(1 st)	Context of Health & Illness	M.E.Sc. Magdalena Sánchez Urbina	

Faculty of Accounting and Business Administration - Colima

Bachelor	Semester Information	Course Name	Professor	Prerequisite
B.Sc. in Business Administration	Spring Semester			
	(2 nd)	Business Management Systems	Sergio Felipe López Jiménez, Ph.D.	Fundamentals of Management
	(4 th)	Strategic Management	M. Esteban Alcaraz Vera Sergio Felipe López Jiménez, Ph.D.	Fundamentals of Management
	(4 th)	Applied Marketing	Gustavo Adrián Carrillo Jiménez, Ph.D.	None
	(6 th)	Promotional Strategies	Gustavo Adrián Carrillo Jiménez, Ph.D.	Marketing Information Systems
	(6 th)	Organizational Development	M. Eduardo Silva Peña	Fundamentals of Management
	Fall Semester			
	(1 st)	Business Accounting	M. Víctor Hugo López Sosa	Fundamentals of Accounting
	(1 st)	Theories of Management	M. Eduardo Silva Peña	None
	(3 rd)	Accounting for Societies	M. Víctor Hugo López Sosa	Fundamentals of Accounting
	(5 th)	Strategic Systems of Marketing Information	Gustavo Adrián Carrillo Jiménez, Ph.D.	Applied Marketing
	(5 th)	Entrepreneurial Development	Sergio Felipe López Jiménez, Ph.D.	Strategic Management
	(7 th)	Entrepreneurial Culture	M. Esteban Alcaraz Vera	None

School of Marketing

Bachelor	Semester Information	Course Name	Professor	Prerequisite
B.A. in Marketing	Spring Semester			
	(2 nd)	Market Segmentation	María de los Dolores Santarriaga Pineda	
	(2 nd)	Elective: Coaching	José Ángel Becerra Sainz	
	(4 th)	E-Commerce	Miguel Ángel de la Vega Torres	

B.A. in Marketing	(8 th)	Integrative Business Simulator	Francisco Soto Ramírez	
	Fall Semester			
	(3 rd)	Introduction to Market Research	Susana Berenice Vidrio Barón	
	(3 rd)	Place and Logistics	Francisco Soto Ramírez	
	(5 th)	International Commerce	Hugo A. Torres Moreno	
	(7 th)	Market Research Seminar	Karla González López	

School of Marketing				
Bachelor	Semester Information	Course Name	Professor	Prerequisite
B.A. in Public Relations and Advertising	Spring Semester			
	(4 th)	Sociology of Public Relations	Karla González López	
	(6 th)	Advertising Project Management	Nora Vargas Cantón	
	(6 th)	Event Organization	Nora Vargas Cantón	
	(6 th)	Media Production	Miguel Macías Amador	
	(6 th)	Lobbying	Juan Carlos Flores Carrillo	
	(6 th)	Intercultural Skills Development	Hiatziry Alejandra Castrejón Martínez	
	(8 th)	New Advertising Media	Joaquín Carrillo Hidalgo	
	Fall Semester			
	(3 rd)	Public Relations Management	Ricardo Vázquez	
	(7 th)	Protocol, Etiquette, and Ceremonial	Martha Godínez Cruz	

Faculty of Literature and Communication

Bachelor	Semester Information	Course Name	Professor	Prerequisite
B.A. in Hispanic Literature	Fall Semester			
	(3 rd)	Latin American Avant-Garde Literature	Patricia Ayala García, Ph.D.	

Faculty of Telematics

Bachelor	Semester Information	Course Name	Professor	Prerequisite
B.Sc. in Internet Technologies	Spring Semester			
	(2 nd)	Entrepreneurship	Joaquín Carrillo Hidalgo	
	(2 nd)	Data Structure	Jorge Rafael Gutiérrez Pulido	

Faculty of Telematics

Bachelor	Semester Information	Course Name	Professor	Prerequisite
B.Sc. in Telematics	Spring Semester			
	(2 nd)	Entrepreneurial Development	Joaquín Carrillo Hidalgo	
	(4 th)	Management of Social Networks	Arturo García Nevares	
	(4 th)	Web Programming	Carlos Ulibarri Ireta	
	(6 th)	Design and Evaluation of User Interfaces	Silvia Berenice Fajardo Flores, Ph.D.	
	(6 th)	Directed Projects	Joaquín Carrillo Hidalgo	
	(6 th)	Big Data and Data Mining	Arturo García Nevares	
	Fall Semester			
	(5 th)	Secure Software Development	Miguel Ángel Rodríguez Ortiz	
	(7 th)	Project Formulation	Joaquín Carrillo Hidalgo	

Faculty of Chemical Sciences				
Bachelor	Semester Information	Course Name	Professor	Prerequisite
B.Sc. in Chemical Metallurgy Engineering	Spring Semester			
	(2 nd)	Applied Physics	Sergio Christian Llamas Macías	
	(6 th)	Waste Treatment	Oscar Fernando Vázquez Vuelvas	

Faculty of Chemical Sciences				
Bachelor	Semester Information	Course Name	Professor	Prerequisite
B.Sc. in Food Chemistry Engineering	Spring Semester			
	(2 nd)	Electricity and Magnetism	Sergio Christian Llamas Macías	
	(2 nd)	Thermodynamics	Kayim Pineda Urbina	
	Fall Semester			
(1 st)	General Physics	Kayim Pineda Urbina		

Faculty of Chemical Sciences				
Bachelor	Semester Information	Course Name	Professor	Prerequisite
B.Sc. in Chemical Pharmaceutical Biology	Fall Semester			
	(1 st)	General Physics	Sergio Christian Llamas Macías	

Faculty of Mechanical and Electrical Engineering				
Bachelor	Semester Information	Course Name	Professor	Prerequisite
B.Sc. in Mechanical and Electrical Engineering	Spring Semester			
	(2 nd)	Programming	Pablo Armando Alcaraz Valencia	None
	(4 th)	Thermodynamics II	Carlos Escobar del Pozo	Thermodynamics I
	(4 th)	Power Systems I	Tiberio Venegas Trujillo	Electrical Circuits Electrical Mechanics
(6 th)	Power Systems II	Tiberio Venegas Trujillo	Power Systems I	

B.Sc. in Mechanical and Electrical Engineering	(8 th)	Energy Savings	Tiberio Venegas Trujillo	Electric Circuits Turbomachines Thermal Machines
	Fall Semester			
	(7 th)	Power Systems II	Tiberio Venegas Trujillo	Power Systems

Faculty of Mechanical and Electrical Engineering

Bachelor	Semester Information	Course Name	Professor	Prerequisite
B.Sc. in Electronic and Telecom Systems Engineering	Spring Semester			
	(2 nd)	Introduction to Communication Networks	Fermín Marcelo Rubén Maciel Barboza	None
	(4 th)	Implementation of Digital Circuits	Alberto Manuel Ochoa Brust	Digital Circuits
	(6 th)	Advanced Programming	Pablo Armando Alcaraz Valencia	None
	Fall Semester			
	(3 rd)	Commutation and Routing Fundamentals	Fermín Marcelo Rubén Maciel Barboza	Introduction to Communication Networks
	(5 th)	Experimental Design	Pablo Armando Alcaraz Valencia	None

Faculty of Mechanical and Electrical Engineering

Bachelor	Semester Information	Course Name	Professor	Prerequisite
B.Sc. in Mechatronic Engineering	Spring Semester			
	(6 th)	Signal Processing	Fermín Marcelo Rubén Maciel Barboza	Electronic Circuits
	(6 th)	Expert Systems	Pablo Armando Alcaraz Valencia	Programming
	(8 th)	Research Seminar	Pablo Armando Alcaraz Valencia	None
	Fall Semester			
	(3 rd)	Numerical Methods	Laura Sanely Gaytán Lugo	Programming
(9 th)	Research Seminar II	Pablo Armando Alcaraz Valencia	Research Seminar I	

Faculty of Mechanical and Electrical Engineering

Bachelor	Semester Information	Course Name	Professor	Prerequisite
B.Sc. in Computer Systems Engineering	Spring Semester			
	(6 th)	Software Engineering	Víctor H. Castillo	Systems Analysis and Design
	(8 th)	Research Seminar II	Laura Sanely Gaytán Lugo	Research Seminar I
	Fall Semester			
	(7 th)	Artificial Intelligence	Víctor H. Castillo	Programming Data Structure

Faculty of Mechanical and Electrical Engineering

Bachelor	Semester Information	Course Name	Professor	Prerequisite
B.Sc. in Intelligent Computing Engineering	Spring Semester			
	(2 nd)	Statistics	Víctor H. Castillo	Theory of Probability
	Fall Semester			
	(1 st)	Theory of Probability	Víctor H. Castillo	None

Faculty of Philosophy

Bachelor	Semester Information	Course Name	Professor	Prerequisite
B.A. in Philosophy	Spring Semester			
	(2 nd)	Philosophy of Mind		
	(6 th)	Environmental Ethics		

Faculty of Foreign Languages

Bachelor	Semester Information	Course Name	Professor	Prerequisite
B.A. in Language Teaching	Spring Semester			
	(2 nd)	Learning Theories		B1 CEFR English
	(4 th)	Teaching Pronunciation L2 II		B1 CEFR English
	(4 th)	Classroom Management in L2		B1 CEFR English
	(4 th)	Language Awareness II		B1 CEFR English
(6 th)	Teaching Practice II		B2 CEFR English	

B.A. in Language Teaching	(8 th)	Advanced English II		B2 CEFRL English
		Elective: Productive English Skills		A2 CEFRL English
		Elective: English Grammar II		A2 CEFRL English
	Fall semester			
B.A. in Language Teaching	(1 st)	Français I	Vanessa Fonseca Salazar	A1
	(1 st)	Compréhension orale et écrite du français	Marcela Nefertity Rodriguez Moreno	A1
	(1 st)	Prononciation du français.	Vanessa Fonseca Salazar	A1
	(1 st)	English I	María Magdalena Cass Zubiria	B1
	(1 st)	English grammar I	Norma Angélica Partida Castellanos	B1
	(1 st)	Oral and written comprehension in English.	Raúl Alejandro Jiménez Rosales	B1
	(3 th)	Français III	Nestor Abelardo Villegas	A2+
	(3 th)	English III	Maribel Rubio Chiu	B1+
	(5 th)	Français V	Norma Angélica Partida Castellanos	B1
	(5 th)	English V	Alejandro Silvestre Tello Moreno Guillermo Guadalupe	C1+ (Prep CAE) B2+

			Durán García	
	(7 th)	Littérature française.	Nestor Abelardo Villegas	B2
	(7 th)	Préparation DELF B2	Vanessa Fonseca Salazar	B2
	(7 th)	Production orale en français avancé.	Nestor Abelardo Villegas	B2
	(7 th)	English VII	Norma Angélica Partida Castellanos	B2+

Faculty of Tourism				
Bachelor	Semester Information	Course Name	Professor	Prerequisite
B.Sc. in Tourism	Spring Semester			
	(4 th)	Tourism Enterprises Management	Mara Ballesteros Vega	
	(4 th)	Human Capital Management	Alma Patricia Salazar Díaz	
	(6 th)	Nature Tourism Project	Rafael Covarrubias Ramírez	
	(6 th)	<u>Elective</u>		
	(6 th)	Quality Management	Irma Magaña Carrillo	
	(8 th)	Tourism Destination Management	Sergio Armando Aguirre Velázquez	
	(8 th)	<u>Elective</u>		
	Fall Semester			
	(1 st)	Fundamentals of Management	Alma Patricia Salazar Díaz	
	(5 th)	Tourism Sustainability	Rafael Covarrubias Ramírez	
	(5 th)	Business Tourism Management	Ruth Jael Sugías Elizalde	
	(5 th)	<u>Elective</u>		
	(5 th)	Strategic Management	Irma Magaña Carrillo	

	(5 th)	Tourism Marketing	Sergio Armando Aguirre Velázquez	
--	--------------------	-------------------	----------------------------------	--

Faculty of Marine Sciences

Bachelor	Semester Information	Course Name	Professor	Prerequisite
B.Sc. in Ocean Engineering B.Sc. in Ocean Engineering	Spring Semester			
	(6 th)	Coastal Processes	Manuel Gerardo Verduzco Zapata	
	(8 th)	Applied Oceanography	Manuel Gerardo Verduzco Zapata	

Faculty of Marine Sciences

Bachelor	Semester Information	Course Name	Professor	Prerequisite
B.Sc. in Oceanology	Spring Semester			
	(6 th)	Contamination	Aramís Olivos Ortiz	

Faculty of Foreign Trade

Bachelor	Semester Information	Course Name	Professor	Prerequisite
B.Sc. in Foreign Trade	Spring Semester			
	(2 nd)	International Commerce	Verónica Marina León Román	English level: 50%
	(4 th)	International Trade	Ariel Gutiérrez Ortiz	English level: 50%
	(6 th)	International Economic Organization	Karla Karina Jonguitud Islas	English level: 50%
	(8 th)	Plan for Foreign Trade	Ramón Eliazar Medina Gallegos	English level: 50%
B.Sc. in Foreign Trade	Fall Semester			
	(5 th)	Packing and Packaging Workshop.	Jaime Fernando Rodríguez González	Basics of Business Administrations
	(5 th)	International Negotiation Strategies	Jaime Fernando Rodríguez González	Basics of Business Administrations

Faculty of Foreign Trade

Bachelor	Semester Information	Course Name	Professor	Prerequisite
B.Sc. in Customs Administration	Spring Semester			
	(2 nd)	International Commerce	Verónica Marina León Román	English level: 50%
B.Sc. in Customs Administration	Fall Semester			
	(7 st)	Packing and Packing workshop	Jaime Fernando Rodríguez González	Basics of Business Administrations

Faculty of Biological and Agricultural Sciences				
Bachelor	Semester Information	Course Name	Professor	Prerequisite
B.Sc. in Biology	Spring Semester			
	(2 nd)	Cell and Molecular Biology	Juan Carlos Sánchez Rangel, Ph.D.	General Biology Chemistry
	Fall Semester			
	(5 th)	Biotechnology	Juan Carlos Sánchez Rangel, Ph.D.	Cell and Molecular Biology Biochemistry Genetics
Note: this courses will be taught both in Spanish and English (50 - 50)				

Faculty of Biological and Agricultural Sciences				
Bachelor	Semester Information	Course Name	Professor	Prerequisite
B.Sc. in Agricultural Engineer	Spring Semester			
	(6 th)	Plant Physiology	Juan Carlos Sánchez Rangel, Ph.D.	Plant Biology Cell Biology Chemistry Biochemistry
Note: this courses will be taught both in Spanish and English (50 - 50)				

Faculty of Architecture and Design				
Bachelor	Semester Information	Course Name	Professor	Prerequisite
B.Sc. in Architecture				
		Research Seminar I		
Note: courses taught in Spanish with only isolated sessions / presentations in				

English No es promovido		Bioclimatic Architecture		
----------------------------	--	--------------------------	--	--

▲ 123 courses taught in English in 25 Educational Programs:

- B.Sc. in Physics
- B.Sc. in Nursing
- B.A. in Hispanic Literature
- B.Sc. in Telematics
- B.Sc. in Mechatronic Eng.
- B.A. in Philosophy
- B.Sc. in Oceanology
- B.Sc. in Chemical Pharmaceutical Biology
- B.Sc. in Electronic and Telecom Systems Eng.
- B.Sc. in Mathematics
- B.Sc. in Administration
- B.Sc. in Internet Technology
- B.Sc. in Chemical Metallurgy Eng.
- B.Sc. in Computer Systems Eng.
- B.A. in Language Teaching
- B.Sc. in Foreign Trade
- B.Sc. in International Relations
- B.A. in Marketing
- B.A. Public Relations and Advertising
- B.Sc. in Food Chemistry Eng.
- B.Sc. in Intelligent Computing Eng.
- B.Sc. in Ocean Eng.
- B.Sc. in Customs Administration
- B.Sc. in Mechanical and Electrical Eng.
- B.Sc. in Tourism

[Eng. stands for Engineering]

▲ 8 courses taught in French in one Educational Program: B.A. in Language Teaching

▲ Total of Educational Programs (English-based only):

- B.Sc. in International Business

▲ Total of Undergraduate Bilingual Programs:

- Bachillerato Técnico #33