

 Universitat Autònoma de Barcelona	Faculty of Economics and Business Studies Study Plan 1590 – Comissió d'Estudis de Grau UAB (02/7/2024) BACHELOR'S DEGREE IN ECONOMICS AND COMPUTATIONAL MATHEMATICS AND DATA ANALYTICS	Print date: 03/06/2025 Page 1 of 2
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Table of credits for each academic year:

Academic Year	Basic Training	Compulsory	Degree Project	Total
1st year	60	6	0	66
2nd year	36	36	0	72
3rd year	0	72	0	72
4th year	0	72	0	72
5th year	0	42	24	66
TOTAL	96	228	24	348

Course Type: FB – Basic Training OB - Compulsory DP –Degree Project

COURSES				
Code	Name	Semester	Type	ECTS
1st YEAR (66 ECTS credits)				
104381	Linear Algebra	1	FB	6
104382	One-variable Calculus	1	FB	6
102343	Business Economics I	1	FB	6
102330	World Economic History	1	FB	6
104383	Introduction to Programming	1	FB	6
102341	Introduction to Economics	1	FB	6
104388	Algorithmics and Combinatorics in Graphs. Heuristic Methods	2	FB	6
104387	Multi-variable Calculus	2	FB	6
102387	International Economics	2	FB	6
104386	Probability	2	FB	6
102366	Introduction to Accounting	2	OB	6
2nd YEAR (72 ECTS credits)				
102340	Law	1	FB	6
104384	Foundations of Computers	1	FB	6
104385	System Software	1	FB	6
102337	Microeconomics I	1	OB	6
104392	Modelling and Inference	1	OB	6
104391	3D Visualisation	1	OB	6
104390	Numerical Calculus	2	FB	6
108076	Spanish Economic History	2	FB	6
104389	Object-oriented Programming	2	FB	6
102384	Macroeconomics I	2	OB	6
102336	Microeconomics II	2	OB	6
104396	Optimisation	2	OB	6
3rd YEAR (72 ECTS credits)				
102376	Financial Statements Analysis	1	OB	6
104394	Relational Databases	1	OB	6
102320	Spanish Economy	1	OB	6
104397	Ordinary Differential Equations	1	OB	6
104650	Integration and Economic Globalisation	1	OB	6
104393	Techniques of Algorithm Design	1	OB	6
104400	Complex Fourier Analysis	2	OB	6
104399	Complex Data Analysis	2	OB	6
102454	Public Sector Economics	2	OB	6
102302	Sectoral Economy	2	OB	6
104398	Artificial Intelligence	2	OB	6
104395	Numerical and Probabilistic Methods	2	OB	6

Course Type: FB – Basic Training OB - Compulsory DP –Degree Project

Code	Name	Semester	Type	ECTS
4th YEAR (72 ECTS credits)				
104404	High-performance Computation	1	OB	6
104401	Equations in Partial Derivatives	1	OB	6
102329	Finance I	1	OB	6
102383	Macroeconomics II	1	OB	6
102335	Microeconomics III	1	OB	6
108078	Economic Policy	1	OB	6
104409	Non-relational Databases	2	OB	6
108068	Public Finance	2	OB	6
102315	Contemporary Economic History	2	OB	6
104410	Modelling and Simulation	2	OB	6
104406	Distributed and Cloud Systems	2	OB	6
108071	Game Theory	2	OB	6
5th YEAR (66 ECTS credits)				
104403	Computational Learning	1	OB	6
104402	Physics, Abstraction and Computation	1	OB	9
104405	Information Theory	1	OB	3
102307	Econometrics II	2	OB	6
104408	Quantum Information	2	OB	6
102382	Macroeconomics III	2	OB	6
104407	Neural Networks and Deep Learning	2	OB	6
102461	Bachelor's Degree Final Project	Anual	DP	12
104411	Bachelor's Degree Final Project	Anual	DP	12