

Minor Degree Specialization and Directed Electives

Responding to our mission of a multi-disciplinary education, the Elective Courses platform combines the internal and external offer. As an example of possible academic paths, we present alternatives combinations in pursuing a Minor Degree. These courses are presented by Department and Colleges, and they are part of the current institutional offer (in Spanish as presented in the institutional catalog). The purpose of the interdepartmental alliances is to promote the transdisciplinary experience of our students and propel the crosspollination of knowledge, research and applications. There is also the alternative of pursuing the minor degree with the internal courses offer. As a graduation requirement for the Bachelor of Architecture, each student must enroll three courses from one of the tables below:

ARCHITECTURAL REPRESENTATION MINOR DEGREE

In collaboration with College of Arts and Humanities (Department of Fine Arts)

Selected Courses within PCUPR		Cr.
ART 104	Fundamentals of Color and Design	3
ART 240	Painting I	3
ART 241	Painting II	3
ART 272	Digital Photography	3
ART 280	Graphic Design I	3
ART 281	Graphic Design II	3
ART 312	Advanced Photography	3
ART 340	Contemporary Concepts and New Forms	3
ART 350	Advanced Drawing	3
ART 362	Sculpture I	3
ART 363	Silkscreen	3
ART 372	Sculpture II	3
ART 383	Digital Animation	3
ART 462	Constructive Sculpture	3
ART 490	Advanced Projects	3
ART 494	Advanced Projects in Digital Graphic Art	3
Elective Courses within School of Architecture		Cr.
ARAR 404	Cognition, Perception and Representation of Form and Space	3
ARAR 405	Architectural Fabrication Studio I	3
ARAR 406	Graphic Design: Concept and Techniques	3

HISTORY AND THEORY MINOR DEGREE

In collaboration with College of Arts and Humanities (Department of History)

Selected Courses within PCUPR		Cr.
HIST 206 History of Ponce		3
HIST 263 History of Spain		3
HIST 265 History of the Church		3
HIST 303 United States History (Compendium)		3
HIST 360 Puerto Rican Society and Culture in the 20th Century		3
HIST 370 The Caribbean		3
HIST 408 History of Russia: Origin, Formation, and Evolution of the Russian People		3
HIST 409 History of the Far East: China and Japan		3
HIST 410 XIXth Century Europe		3
HIST 415 The French Revolution and the Napoleonic Era (1789-1815)		3
Elective Courses within School of Architecture		
ARHT 401 Re-Dimensioning Architectural Theory		3
ARHT 402 Influential Practices on Recent History of Architecture		3
ARHT 403 History of Emergent Digital Philosophies		3
ARHT 404 Between Imagination and Representation: Contemporary Concepts and Architecture		3
ARHT 405 History of Furniture Design		3

ADAPTIVE CONSERVATION AND PRESERVATION MINOR DEGREE

In collaboration with College of Arts and Humanities (Department of History)

Selected Courses within PCUPR		Cr.
HIST 403 Society and Culture of Contemporary Europe (Cultural Trip Abroad)		6
HIST 417 Historiography		3
HIST 419 Methodology and Techniques of Historical Investigation		3
HIST 420 Seminar on Historical Investigation		3
Elective Courses within School of Architecture		
ARAC 401 The Economics and Finances of Historic Preservation		3
ARAC 402 Cultural and Heritage Tourism		3
ARAC 403 Preservation Research Strategies		3
ARAC 430 In the Path of Lime		3

SUSTAINABILITY AND TECHNOLOGIES MINOR DEGREE

In collaboration with College of Sciences (Departments of Environmental Sciences and Physics-Mathematics)

Selected Courses within PCUPR	Cr.
ENSC 350 Environmental Problems and Management	4
ENSC 440 Hazardous and Non-Hazardous Solid Wastes	3
ENSC 450 Water Treatment Systems	3
ENSC 451 Air Pollution	3
PHYS 325 Energy and Environment	3
Elective Courses within School of Architecture	
ARST 401 Aesthetics on Energy Conscious Architecture	3
ARST 402 Sustainable Architecture and Technological Advances	3
ARST 403 Leadership in Green Building Design and Construction	3

STRUCTURAL FRAMEWORK AND ASSEMBLAGES MINOR DEGREE

In collaboration with College of Sciences (Department of Physics-Mathematics)

Selected Courses within PCUPR	Cr.
MATH 272 Calculus II	4
MATH 373 Calculus III	4
MATH 391 Differential Equations	3
PHYS 221 Physics I	4
PHYS 222 Physics II	4
Elective Courses within School of Architecture	
ARSF 401 Morphology of Glass and Light	3
ARSF 402 Flexibility and Malleability on Tensile Structures	3
ARSF 403 Complexities and Symbolism on High Technology Buildings	3

LANDSCAPE, ECOLOGY AND ENVIRONMENT MINOR DEGREE

In collaboration with College of Sciences (Department of Biology)

Selected Courses within PCUPR	Cr.
BIOL 201 Ecology for Tourism I	3
BIOL 202 Ecology for Tourism II	3
BIOL 222 Botany	4
BIOL 340 Ecology	4
BIOL 429 Ecosystems of Puerto Rico	4
BIOL 431 Marine Biology	4
Elective Courses within School of Architecture	
ARLE 401 Urban Ecology	3
ARLE 402 Planting Materials in Landscape Design	3
ARLE 403 Advanced Landscape Architectural Design	3
ARLE 404 At the Plaza: 78+ Cultural Landscapes	3

URBAN SCAPES AND COMMUNITIES MINOR DEGREE

In collaboration with College Arts and Humanities (Department of Social Sciences)

Selected Courses within PCUPR		Cr.
PUAD 230 Municipal Government		3
PUAD 265 Public Administration		3
PUAD 355 Policy Analysis		3
PUAD 373 Ethics and Public Administration		3
PUAD 384 Fiscal Policies and Budgeting		3
PUAD 385 Public Finance, Fiscal Policy, and Budgeting		3
SOCI 213 Fundamental Sociology (Compendium)		3
SOCI 218 Statistical Methods in Social Science		3
SOCI 303 Economic Principles and Problems		3
SOCI 305 Social Research		3
SOCI 314 Social Problems		3
SOCI 325 Cultural Anthropology		3
SOCI 405 Demography		3
SOCI 440 In-Learning Service		3
Elective Courses within School of Architecture		
ARUS 401 Studies on Emergent Urban Practices		3
ARUS 402 Urban Economic and Financial Milieu		3
ARUS 403 Urban Sociology and the Cultures of Cities		3

LEGAL AND ADMINISTRATIVE AWARENESS MINOR DEGREE

In collaboration with College of Arts and Humanities (Department of Social Sciences) and College of Business Administration (Departments of Management, Information Systems, and Business; and Accounting, Economics, Finance, and Business Law)

Selected Courses within PCUPR		Cr.
PUAD 390 Administrative Law		3
POSC 221 International Organizations and Politics		3
POSC 325 Public International Law		3
POSC 329 Constitutional Law		3
PRLS 207 Introduction to Pre-Law Studies		3
PRLS 300 Seminar on Academic Aptitude Test		3
PRLS 307 Legal Research		4
PRLS 400 Open Seminar		3
MGNT 313 Business Law I		3
BLAW 315 Corporations		3
BLAW 317 Consumer Law		3
BLAW 410 Environmental Law		3
Elective Courses within School of Architecture		
ARLA 401 Real Estate Development Process		3
ARLA 402 Public-Private Partnerships		3
ARLA 403 Value and Appraisal of Land		3

**DEVELOPMENT ASSESSMENT, ENTREPRENEURSHIP AND FEASIBILITY
MINOR DEGREE**

In collaboration with College of Business Administration (Departments of Management, Information Systems, and Business; and Accounting, Economics, Finance, and Business Law)

Selected Courses within PCUPR	Cr.
ECON 201 Fundamentals and Applications of Economics I	3
ECON 202 Fundamentals and Applications of Economics II	3
ECON 304 Economic Development of Puerto Rico	3
ECON 426 International Economics	3
FINA 301 Risk and Insurance Management	3
FINA 302 Real Estate	3
FINA 405 Real Estate Appraisal	3
MGNT 202 Small Business Management	3
MGNT 210 Organizational Behavior	3
MGNT 230 Entrepreneurship	3
MGNT 250 Entrepreneurial Creativity and Innovation	3
Elective Courses within School of Architecture	
ARDA 401 Strategic Administration	3
ARDA 402 Business Plan Development	3
ARDA 403 Administrative Initiatives	3