



The following pages are an update (2022) of pages 6-8 of the Addendum_2020

Annex 2. PLAN OF STUDIES at DICATEch - POLITECNICO DI BARI
Anexo 2. PLAN DE ESTUDIOS DEL DICATEch - POLITECNICO DI BARI

LAUREA MAGISTRALE IN INGEGNERIA DEI SISTEMI EDILIZI			
Subjects/Insegnamenti 7 ^o Semestre	ECTS	Subjects/Insegnamenti 8 ^o Semestre	ECTS
Property evaluation and investment/Metodi quantitativi per la valutazione e gli investimenti immobiliari SSD: ICAR/22 Estimo	6	Building refurbishment and retrofitting + Studio/Recupero e riqualificazione degli edifici + Laboratorio SSD: ICAR/10 Architettura tecnica	12
Building services for Sustainable Constructions + Studio/Servizi tecnologici per costruzioni sostenibili + Laboratorio SSD: ICAR/10 Architettura tecnica	12	Innovative building materials/ Materiali innovativi per l'edilizia SSD: ING-IND/22 Scienza e tecnologia dei materiali	6
Urban law and public procurement/Diritto Urbanistico e public procurement SSD: IUS/10 Diritto Amministrativo	6	Integrated building design/ Progettazione integrata SSD ICAR/10 Architettura tecnica	12
TOTAL CFU	24	TOTAL CFU	30
Curriculum: Sustainable Building/ Edilizia sostenibile ¹			
Subjects/Insegnamenti 9 ^o Semestre	ECTS	Subjects/Insegnamenti 10 ^o Semestre	ECTS
Urban and building design/Progettazione architettonica e urbana SSD: ICAR/14 Composizione Architettonica	12	Sustainability of building systems + BIM/Sostenibilità dei sistemi edilizi + BIM Module/Modulo 1: Sustainability of building systems/Sostenibilità dei sistemi edilizi (6 CFU) Module/Modulo 2: BIM [Building Information Modeling] (6 CFU) SSD: ICAR/11 Produzione Edilizia.	12
		A scelta dello studente [Elective course] AF: Altre attività	12
Seismic engineering/Costruzioni in zona sismica SSD: ICAR/09 Tecnica delle Costruzioni	12	Training period/Tirocinio [Training period] AF: Altre attività	3
Management of the existing building stock/Gestione del patrimonio edilizio esistente SSD: ICAR/10 Architettura tecnica	6	Final Project/Prova AF: Altre attività	9
TOTAL CFU	30	TOTAL CFU	36

¹ Or equivalent curriculum

Annex 3. DETAILED PROGRAM OF STUDIES

year	semester	location	local degree program	courses	P_st ²	S_st ³	ECTS ⁴	TOT ECTS P_st	TOT ECTS S_st
1 st	7 ^o	Politecnico di Bari	1 st year of the 2 nd level 2-year degree in Engineering of Building Systems	Urban law and public procurement (LM 24)	yes	yes	6	30	30
				Building services for Sustainable Constructions + Studio (LM 24)	yes	yes	12		
				Property evaluation and investment (LM 24)	yes	yes	6		
				Elective subject ⁵	yes	yes	6		
	8 ^o	Universidad de Sevilla	4 th year of the 4 th year degree in Building Construction	2440045 Rehabilitation and prefabrication of building structures + 2440032 Analysis, Design and Construction of Structures in Seismic Zones	yes	yes	6+6	42	30
				2440046 Restoration and pathologies in buildings	yes	yes	6		
				244 0034 Advanced Calculation of Structures with Computer Programs	yes	NO	6		
				2440051 3D Surveys of Architectural Heritage	yes	NO	6		
				2440044 Degree final project	yes	yes	12		
	TOTAL ECTS earned in the year								72
2 nd	9 ^o	Universidad de Sevilla	1-year Master of Science in Integral Management of Buildings	50860023 Bioclimatic Construction and Bioconstruction	yes	yes	6	30	30
				50860001 Legal Scope of the Building Sector + 50860003 Building audits	yes	yes	5+5		
				50860024 Environmental impact assessment + 50860026 Waste and Contaminated Soils Management in Construction	yes	yes	3+3		
				50860027 Implementation of environmental management systems in building companies	yes	yes	4		
				50860020 Audits and Energy Certification of Buildings	yes	yes	4		
	10 ^o	Politecnico di Bari	2 nd year of the 2 nd level 2-year degree in Engineering of Building Systems	Sustainability of building systems + Building Information Modelling (LM 24)	yes	yes	12	30	42
				Land planning and urban transformation (LM 24, curriculum Building retrofitting and urban regeneration)	NO	yes	12		
				Elective subject	yes	yes	6		
				Training period + Final project	yes	yes	3+9		
	TOTAL ECTS earned in the year								60

² P_st = students at the Politecnico di Bari

³ S_st = students at the Universidad de Sevilla

⁴ Credits in both universities, Bari and Sevilla, are equivalent to ECTS

⁵ Students from POLIBA with no subject of Topography in their plan of study of Ingegneria Edile, will select it as elective subject taking it from the Curriculum of Civil Engineering (L7), DICATEch

Anexo 3. PROGRAMA DETALLADO DE ESTUDIOS

year	semester	location	local degree program	courses	P_st ⁱ	S_st ⁱⁱ	ECTS ⁱⁱⁱ	TOT ECTS P_st	TOT ECTS S_st
1 st	7 ^o	Politecnico di Bari	1 st year of the 2 nd level 2-year degree in Engineering of Building Systems	Diritto Urbanistico e public procurement (LM 24)	yes	yes	6	30	30
				Servizi tecnologici per costruzioni sostenibili + Laboratorio (LM 24)	yes	yes	12		
				Metodi quantitativi per la valutazione e gli investimenti immobiliari (LM 24)	yes	yes	6		
				A scelta dello studente ^{iv}	yes	yes	6		
	8 ^o	Universidad de Sevilla	4 th year of the 4 th year degree in Building Construction	(2440045) Rehabilitación y prefabricación de estructuras de edificación + (2440032) Análisis, diseño y construcción de estructuras en zonas sísmicas	yes	yes	6+6	42	30
				(2440046) Restauración y patologías de la edificación	yes	yes	6		
				(2440034) Cálculo avanzado de estructuras con programas informáticos	yes	NO	6		
				-(2440051) Levantamiento 3D del Patrimonio Arquitectónico	yes	NO	6		
				(2440044) PFG	yes	yes	12		
	TOTAL ECTS earned in the year								72
2 nd	9 ^o	Universidad de Sevilla	1-year Master of Science in Integral Management of Buildings	(50860023) Construcción bioclimática y bioconstrucción	yes	yes	6	30	30
				(50860001) Ámbito jurídico en edificación + (50860003) Auditorías en edificación	yes	yes	5+5		
				(50860024) Evaluación del impacto ambiental de Planes, Programas y Proyectos+ (50860026) Gestión de residuos y Suelos contaminados en construcción	yes	yes	3+3		
				(50860027) Implantación de sistemas de gestión ambiental en empresas de edificación	yes	yes	4		
				(50860020) Auditoría y certificación energética en edificación	yes	yes	4		
	10 ^o	Politecnico di Bari	2 nd year of the 2 nd level 2-year degree in Engineering of Building Systems	Sostenibilità dei sistemi edilizi + BIM (LM 24)	yes	yes	12	30	42
				Ingegneria del territorio e rigenerazione urbana (LM 24, curriculum Recupero e rigenerazione urbana)	NO	yes	12		
				A scelta dello studente	yes	yes	6		
				Training period+Final project	yes	yes	3+9		
	TOTAL ECTS earned in the year								60

ⁱ P_st = estudiantes del Politecnico di Bari

ⁱⁱ S_st = estudiantes de la Universidad de Sevilla

ⁱⁱⁱ Los créditos en ambas Universidades, Bari y Sevilla, son equivalentes a ECTS

^{iv} Gli studenti del Politecnico di Bari senza la materia di Topografia nel loro piano di studi di Ingegneria Edile, la selezioneranno come esame a scelta attingendo dal curriculum di Ingegneria Civile (L7), DICATECh