Multiplier Event 04

Friday 26th November 2021, Polytechnic University of Valencia, online

Zoom: https://pratt.zoom.us/j/99515730643

ARCHITECTURE'S AFTERLIFE

ARCHITECTURAL EDUCATION IN DIFFERENT CONTEXTS

Our Fourth Multiplier Event is entitled *ARCHITECTURAL EDUCATION IN DIFFERENT CONTEXTS* and it invites higher education policy makers of *Architecture's Afterlife* partners' five nations—Belgium, Croatia, England, Italy and Spain. In this event, we will talk about how the partners' schools organize their curricula, whether and how these schools include other programs besides architecture, the competences taught in architecture schools, what professions are 'related' to architecture, and the relationship between disciplinarity and interdisciplinarity in architecture curricula.

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How to become an architect in the EU

SPAIN

Conditions for studying architecture	**ARCHITECT: no** responsible for any civil building project and construction supervision.			
Exam	yes	*Institution* National institución for all the universitary grades	*Specific subjects* Maths, Physics and Technical drawing	*Notes* No history of art of philosophy
Minimun qualification	yes	*Institution* Each School or university	*Level* Change depending on the demand	*Notes* Last years the qualification was low, no high demand
Credits		300 CTS_ 60 per year		

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	Course	First		Second		Third		Fourth		Fifth		Total credits
		1º	2º	3º	4º	5º	6º	7º	8º	9º	10º	
Studios	*Design projects*		5	7,5	7,5	7,5	7,5	7,5	7,5	7,5	7,5	**65**
Thematic courses	*Graphical expression*	15	15	6								**36**
	Theory and composition	4,5		4,5	4,5	6		4,5	4,5			**28,5**
	Urbanism			4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5	**36**
	Restauration									4,5		**4,5**
	Legal architecture and economy				6					3,75	3,75	**13**
Technical courses	*Mathematics*	4,5	4,5	6								**15**
	Physics		7			6						**13**
	Structures					4,5	4,5	4,5	4,5	4,5		**22,5**
	Conditioning and servicing						6	4,5	4,5		4,5	**19,5**
	Construction	4,5		4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5	**40,5**
Elective course	*Elective courses/language*									4,5	4,5	**9**
Dissertation	*TFG (Final Degree Project)*										6	**6**

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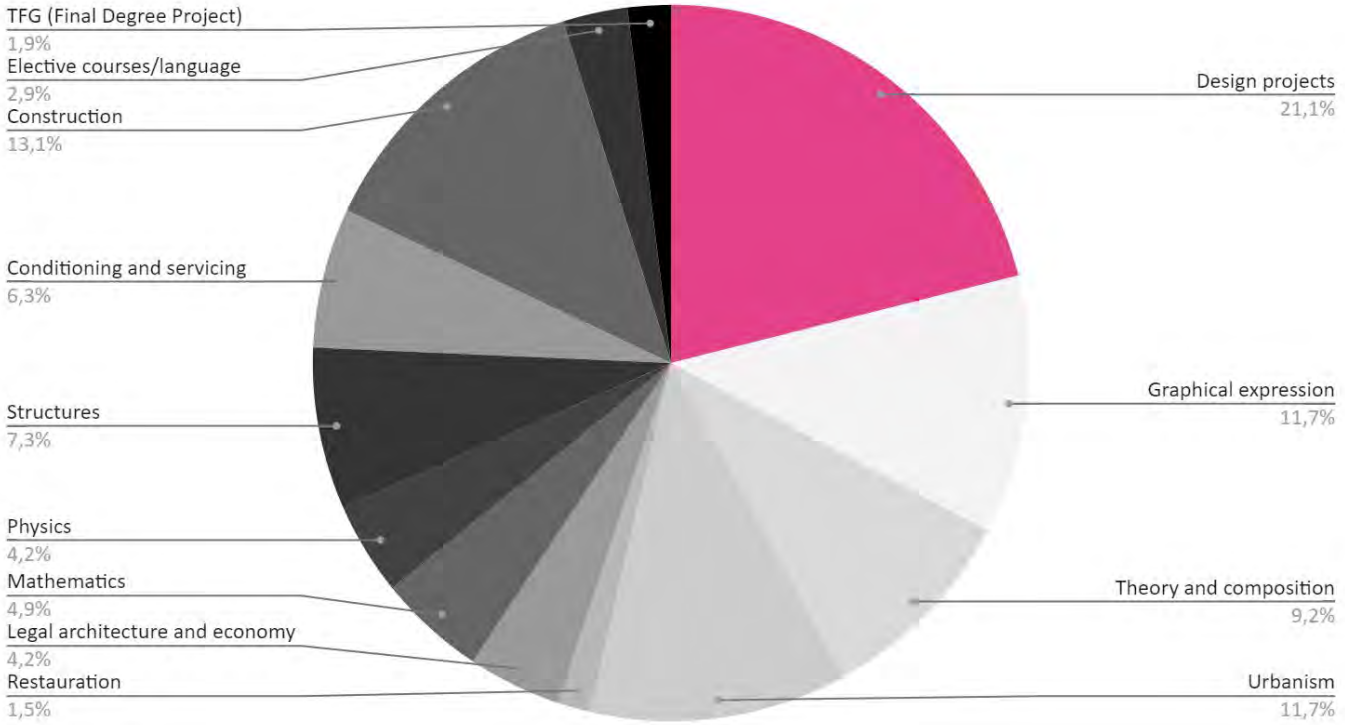
ECTS – Departments. Bachelor's Degree



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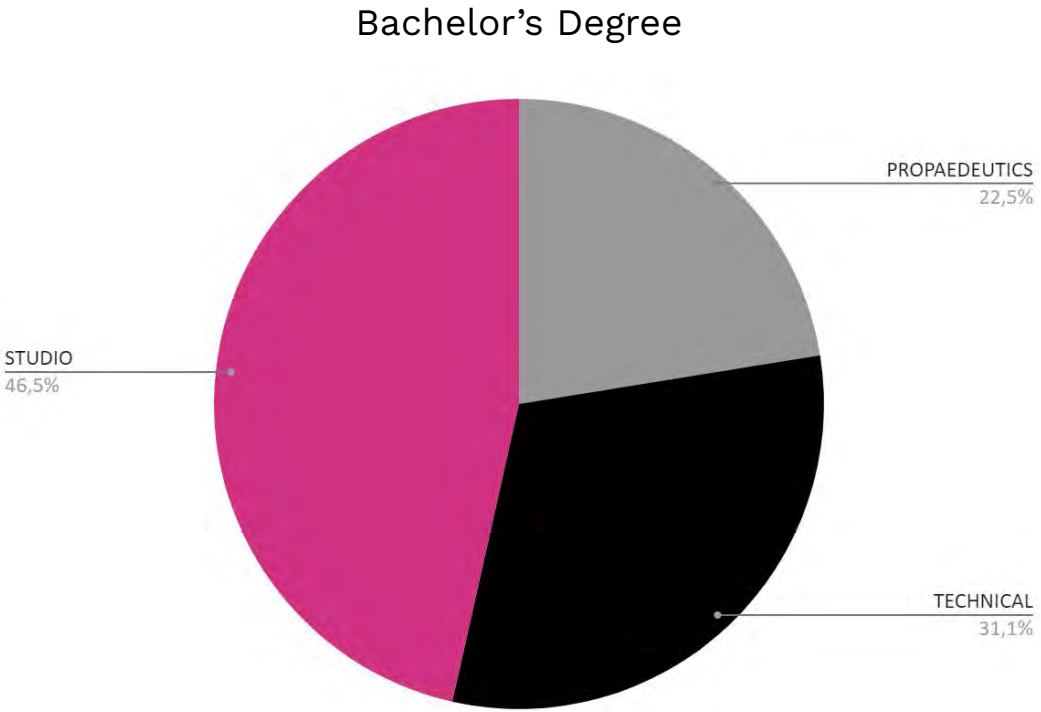

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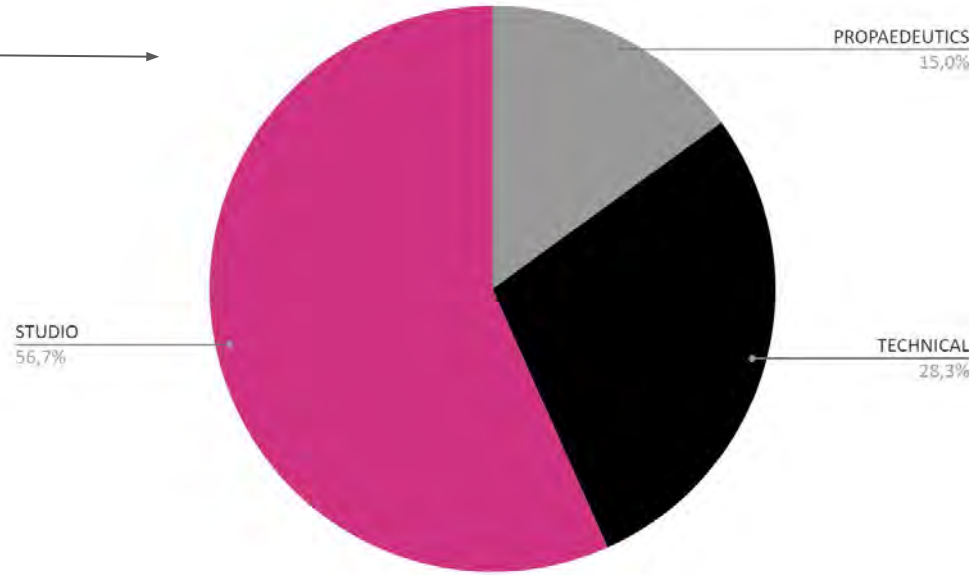
Master's Degree

MASTER'S DEGREE	years	credits
Architecture	1	60
Advanced Architecture, Landscape, Urban Planning and Design	1	72
Landscape Architecture	2	120
Preservation of Architectural Heritage	1	72



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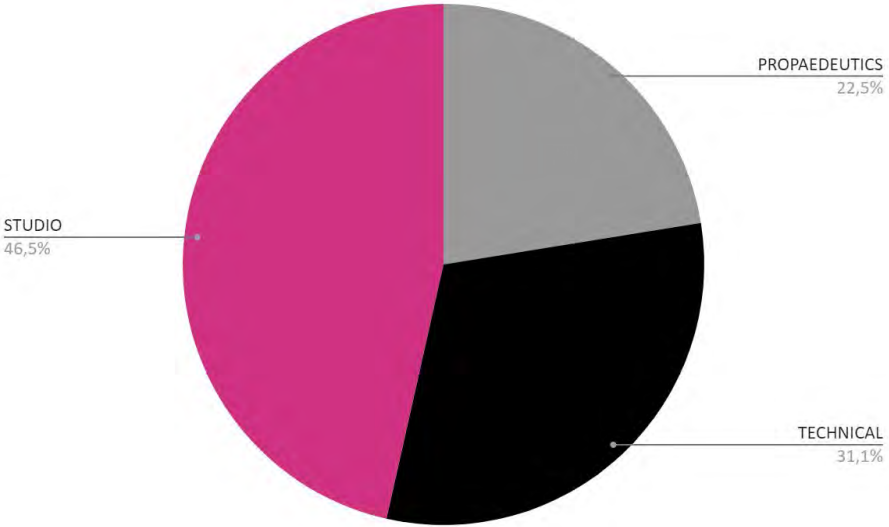
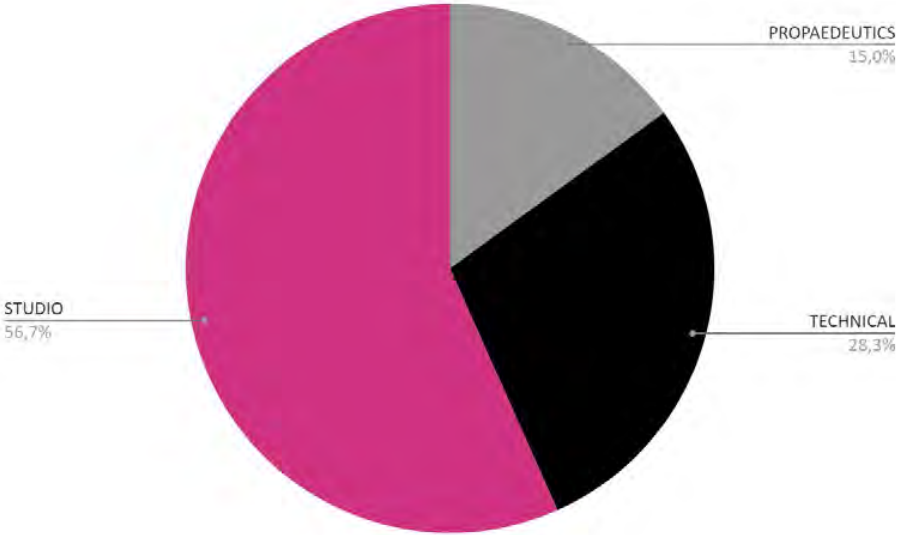
Bachelor’s Degree



Master’s Degree



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UK

Conditions for studying architecture	**ARCHITECT** The Quality Assurance Agency for Higher Education defines the role of the architect in UK as following: “Architects have a conceptual and integrative role in the design of buildings and places, working in cooperation with communities, clients and other professionals. The defining skill of the architect is design - the ability to conceive of, and elaborate on, physical artefacts that meet human needs and evoke aesthetic response.” https://dera.ioe.ac.uk/1189/1/architecture2010.pdf Following the Architects Act 1997, a person in the United Kingdom may only practise or carry on business under any name, style or title containing the word "architect" if registered with the Architects Registration Board (ARB). It is compulsory to register with the ARB to use the title ‘architect’ but not to practise the profession (membership of the RIBA is voluntary).			
Exam	no	*admission process* At many UK universities, a portfolio of work is crucial in being offered a place. Often an interviews is required. *Note that entry requirements vary for each UK university.*	*Specific subjects* English language, art and design and mathematics are all preferable subjects to have studied before applying to an Architecture programme.	*Notes*
Minimun qualification	yes	*Institution* A degree of high school is necessary. Requirement of knowledge of English language.	*Level*	*Notes*
Credits		*600 CATS= 300 ECTS* In the UK, most universities use the Credit Accumulation and Transfer Scheme (CATS). Architecture qualifications typically require a total of 360 (Credit Accumulation and Transfer Scheme, or CATS) credits at bachelor's level and 240 (CATS) credits within a master's level degree. The RIBA new validation procedures, introduced from 1 September 2019, sets a 120 credits (or 60 ECTS) each year for RIBA validation of the UK schools of architecture		

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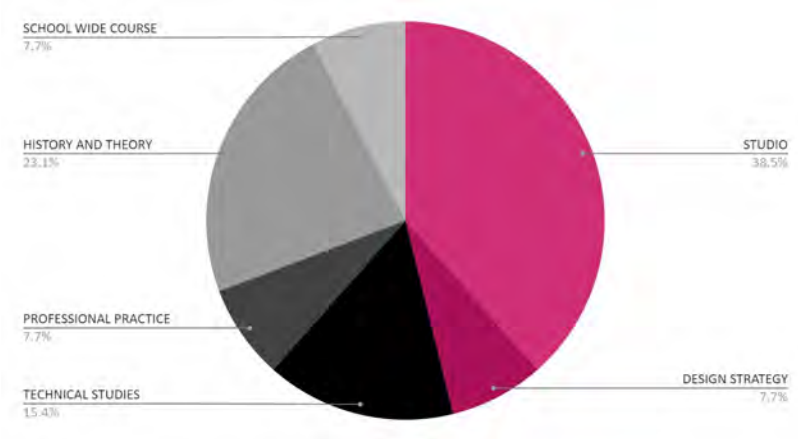
UK - RCA School of Architecture

In the RCA, the School of Architecture is one of four Schools within the College. The others are: School of Arts & Humanities; School of Communication; School of Design.

The School of Architecture offers a 2 year Master in Architecture with 240 CATS (120 ECTS). The majority of the credits are dedicated to design studio, including an independent research project in the final semester. History and theory is an important component of the two years Master, which, together with the school wide courses, incoradge a critical and speculative ethos among the students. Technical studies and professional practice are also an essential part of the program by counting for approximately one-fourth of the credits.

DESIGN/THEORY/SEMINAR DISTRIBUTION FOR THE MArch AT THE RCA



Programme Units and Credit Ratings

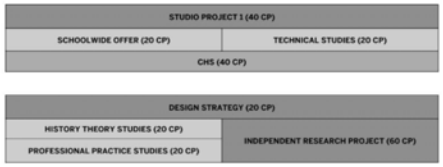
Year 1

- School Wide Course, 20 Credits
- Studio 1, 40 Credits
- Technical Studies, 40 Credits
- Critical Historical Studies (CHS), 40 Credits

Year 2

- Design Strategy, 20 Credits
- History and Theory Studies, 20 Credits
- Professional Practice Studies, 20 Credits
- Studio 2, independent research project, 60 Credits

Programme Curriculum Map



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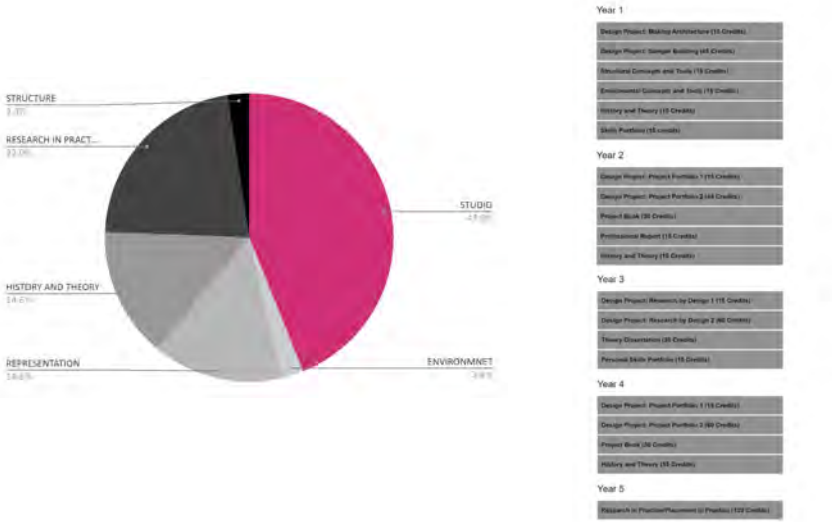
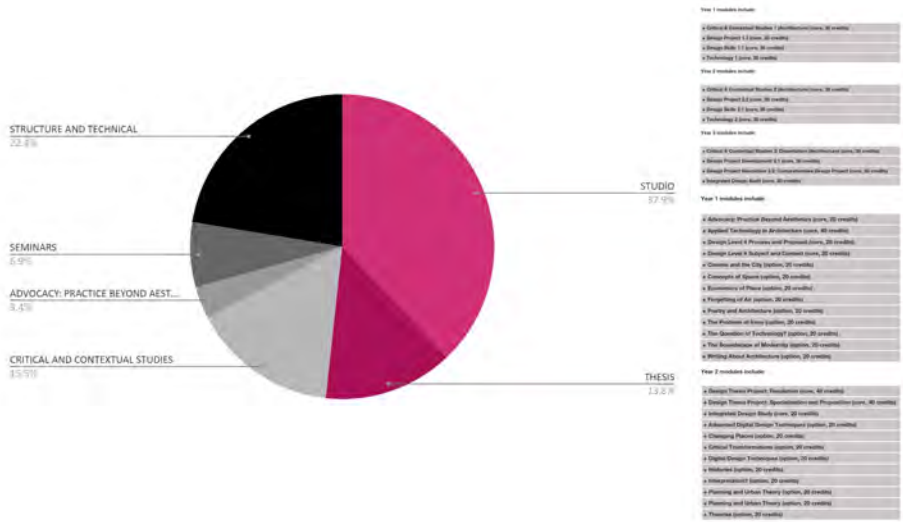
UK

In the UK, Schools of Architecture offer different distributions of credits. Here you see the comparison of two five-year programs, those are, the Bartlett School of Architecture and the London Metropolitan University. As in the case of the MArch at the RCA, studio approximately counts for two-fourths of the credits, while both technical studies and propedeutics count one-fourth of the credits.

DESIGN/THEORY/SEMINAR DISTRIBUTION AT THE BARTLETT SCHOOL OF ARCHITECTURE (ECTS)



DESIGN/THEORY/SEMINAR DISTRIBUTION AT THE LONDON METROPOLITAN UNIVERSITY (ECTS)



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The General Criteria at Part 1 and Part 2

GC1 Ability to create architectural designs that satisfy both aesthetic and technical requirements.

GC2 Adequate knowledge of the histories and theories of architecture and the related arts, technologies and human sciences.

GC3 Knowledge of the fine arts as an influence on the quality of architectural design.

GC4 Adequate knowledge of urban design, planning and the skills involved in the planning process.

GC5 Understanding of the relationship between people and buildings, and between buildings and their environment, and the need to relate buildings and the spaces between them to human needs and scale.

GC6 Understanding of the profession of architecture and the role of the architect in society, in particular in preparing briefs that take account of social factors.

GC7 Understanding of the methods of investigation and preparation of the brief for a design project.

GC8 Understanding of the structural design, constructional and engineering problems associated with building design.

GC9 Adequate knowledge of physical problems and technologies and the function of buildings so as to provide them with internal conditions of comfort and protection against the climate.

GC10 The necessary design skills to meet building users' requirements within the constraints imposed by cost factors and building regulations.

GC11 Adequate knowledge of the industries, organisations, regulations and procedures involved in translating design concepts into buildings and integrating plans into overall planning.

In the UK, the distribution of credits in architecture programmes varies, and each programme is evaluated independently from one another.

The Quality Assurance Agency for Higher Education (QAA) is the UK independent body that checks on standards and quality in higher education.

Accreditations of architecture schools are granted by the Architects Registration Board (ARB) and the Royal Institute of British Architects (RIBA). The accreditation process happens every 5 years.

Here you can see the General Criteria at Part 1 and Part 2

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BELGIUM

Conditions for studying architecture	**ARCHITECT** responsible for any civil building project and construction supervision. **ENGINEER-ARCHITECT**			
Exam	no no	*Faculty of Architecture* *Faculty of Engineering*	*Specific subjects*	Ijkingsworkshop Ijkingstoets
Minimum qualification to enter	yes	*Institution* Degree high school	*Level* No level of marks or type of schooling required	*Notes*
Credits		300 CTS_ 60 per year	content depending on architect or engineer architect	Architecture: 50% design Eng.-arch.: 30% design

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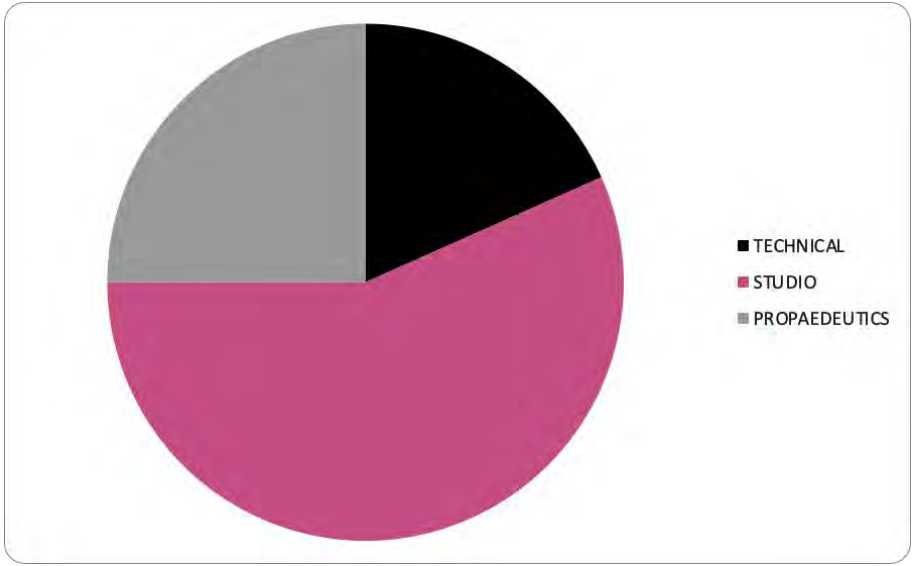
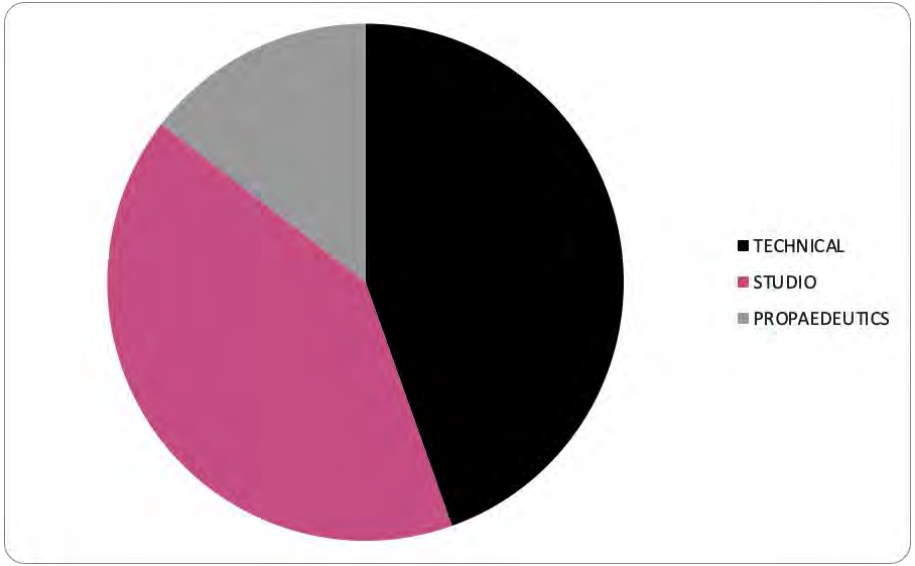
BELGIUM (KU Leuven)

ARCHITECT

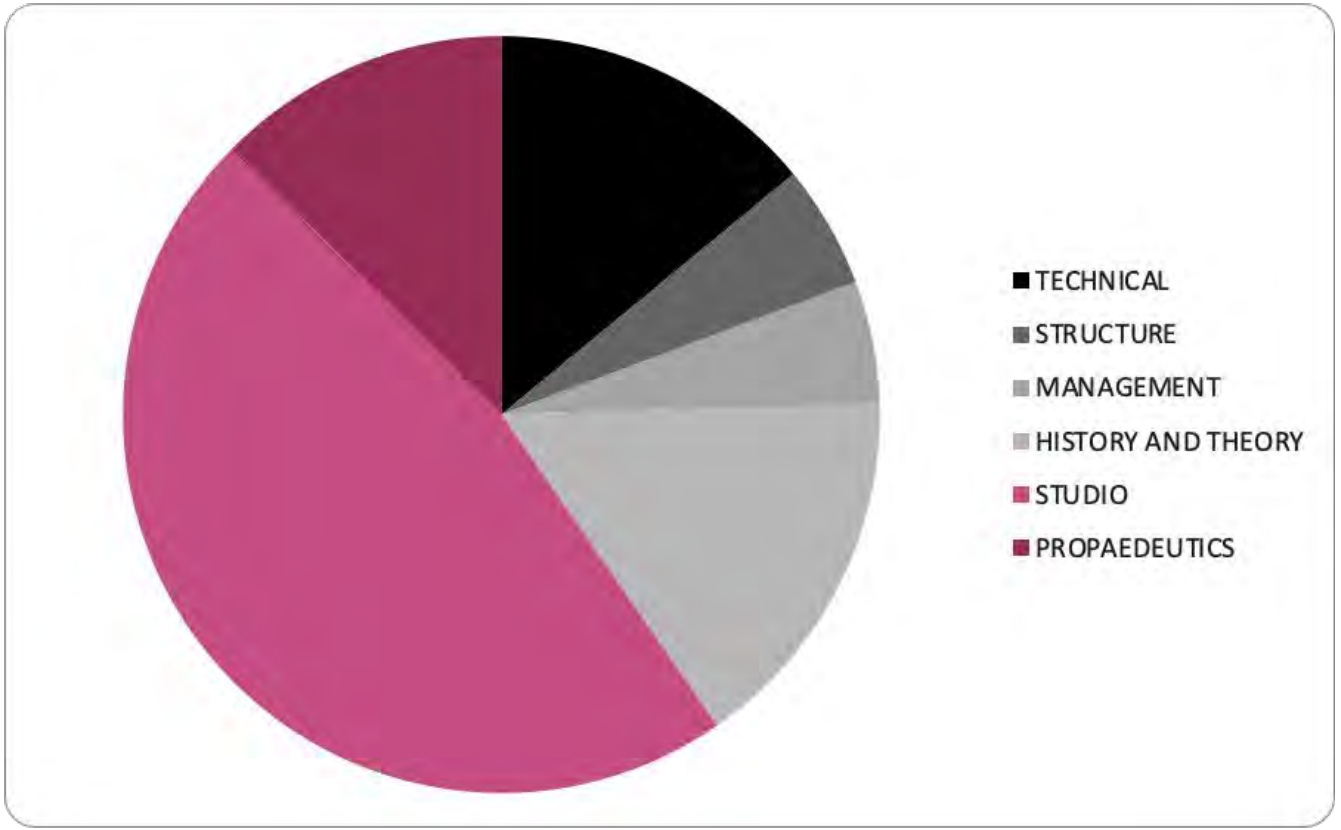


ENGINEER-ARCHITECT



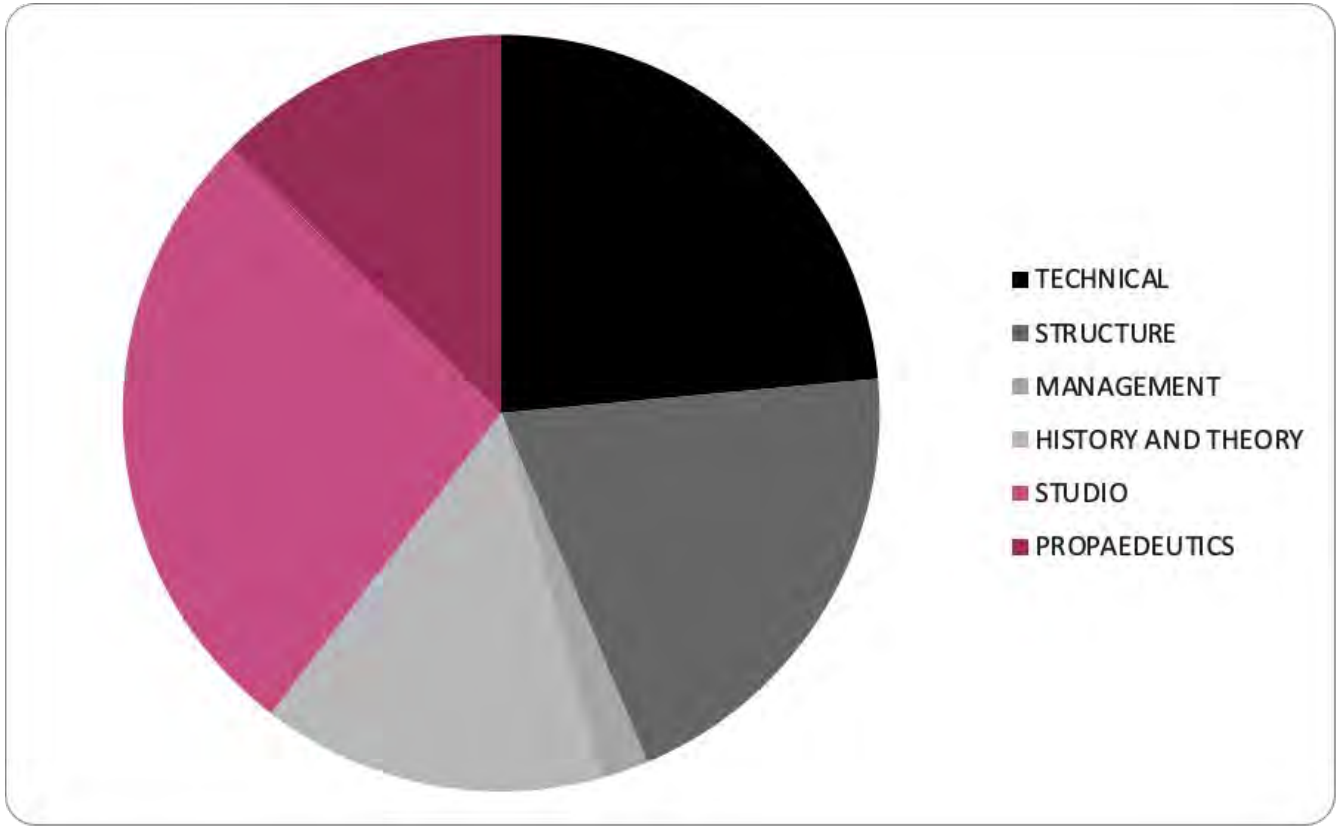
BELGIUM (KU Leuven)

ARCHITECT



BELGIUM (KU Leuven)

ENGINEER-ARCHITECT



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ITALY

Conditions for studying architecture BSc	**JUNIOR ARCHITECT:** responsible for simple civil buildings project using standardized methodologies.			
Exam	*yes*	*Institution* National until 2019 Local from covid-19 pandemic Future ?	*Specific subjects* Maths, Physics, technical drawing, Art History, general culture and logic	*Notes*
Minimun qualification	*no*	*Institution*	*Level*	*Notes* Access from any secondary school
Credits		180 CTS		

Conditions for studying architecture MSc	**ARCHITECT:** responsible for any civil building project and construction supervision.			
Exam	*yes/no*	*Institution* Local	*Specific subjects* depends on each schooland program	*Notes*
Minimun qualification	*yes/no*	*Institution* Local	*Level* depends on each school and program	*Notes* BSc in architecture required (L-17)
Credits		120 CTS		

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ITALY

POLITECNICO DI TORINO GENERAL OVERVIEW

		Bachelor of Architecture						Master's degree ACC				Master's degree APP				Master's degree APS			
		I		II		III		I		II		I		II		I		II	
		1	2	3	4	5	6	7	8	9	10	7	8	9	10	7	8	9	10
Studios	*Design projects*		6	6	6	6	6	6	6	6		6		12		6	4	6	
Thematic courses	*Graphical expression/geomatics*	6	6	6						6			6	3		6	4		
	Theory, composition and History	6		6		6					6		3	6			6		
	Urbanism		8	6					6			4				8			
	Restoration					8				6		6	10				6		
	Urban economics and laws					8			6	6		2		3				6	
Technical courses	*Mathematics*	8		2															
	Physics			10					6				4				4		
	Structures	4	4		6				6					4					
	Facilities and services																		
	Construction/materials		8	6	6					6			7	4			8	6	
Elective courses	*Elective courses/language*	6		6		6	9	12		6	10	12			8	12		8	10
Dissertation	*Thesis*						3				20				20				20
		180 CTS						120 CTS				120 CTS				120 CTS			

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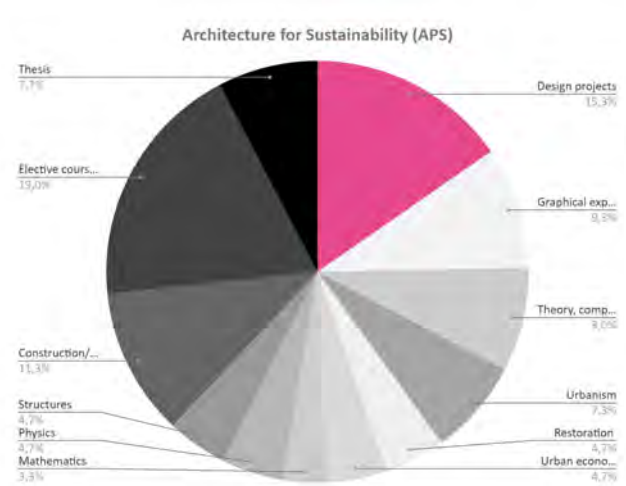

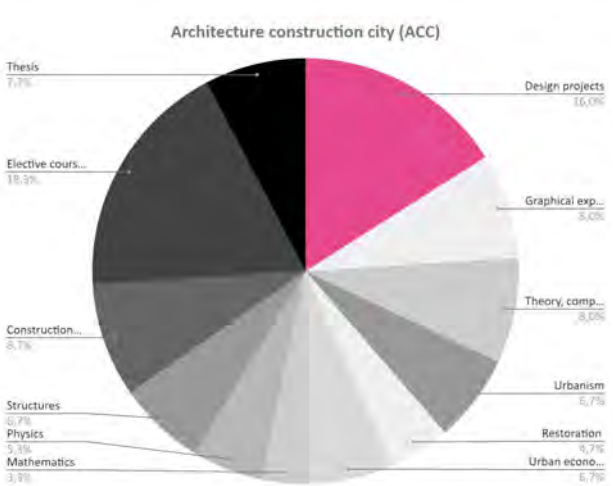

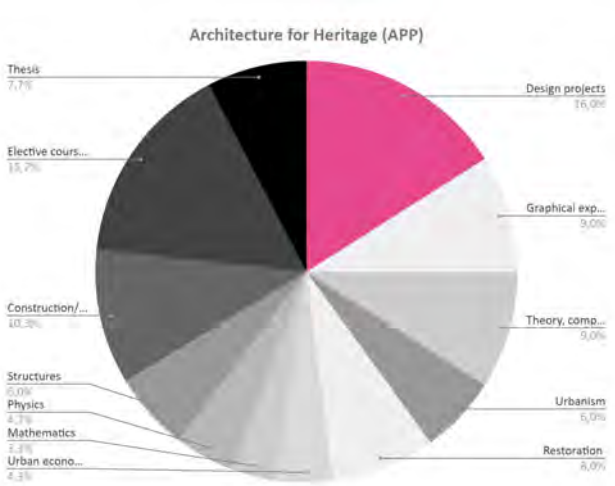

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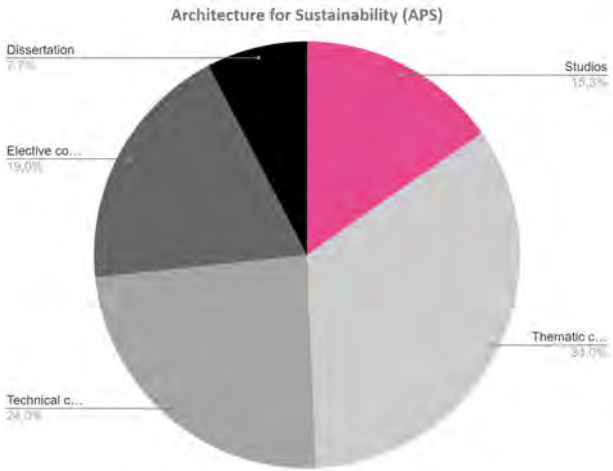

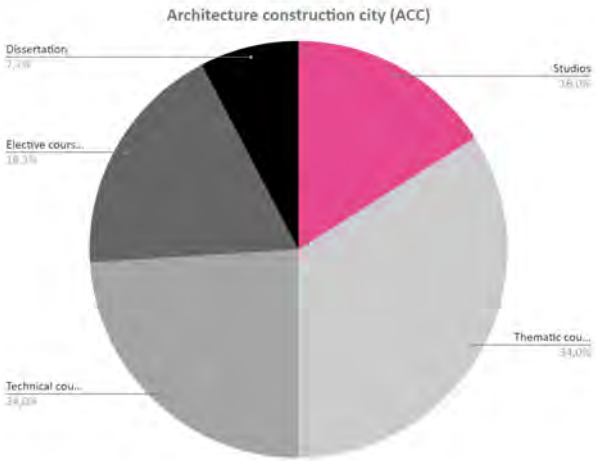

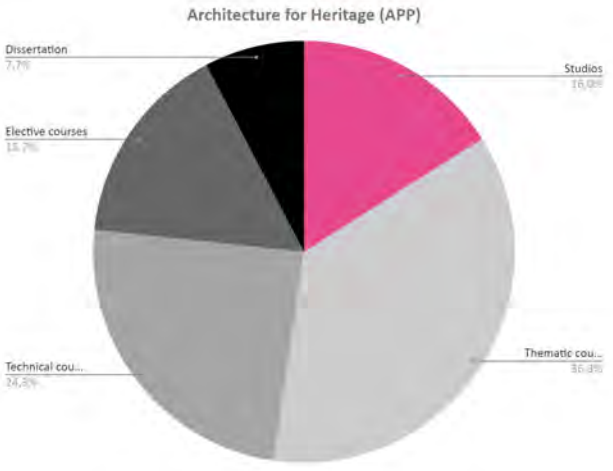

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CROATIA

Conditions for studying architecture	**ARCHITECT** MASTER ENGINEER IN ARCHITECTURE AND URBAN PLANNING architect author, additional state exam after 2 yrs practice needed for certification			
Exam	yes	*Institution* by each School	*Specific subjects* Drawing, Spatial perception, General knowledge	*Notes* the points of the entry exam carry 60% of the total points
Minimun qualification (score?)	yes	*Institution* NO	*Level* Combination of high-school grades and state exams	*Notes* the state exams carry 25% and grade average carries 15% of total points
Credits		300 CTS_ 60 per year (180 bachelor, 120 master)		

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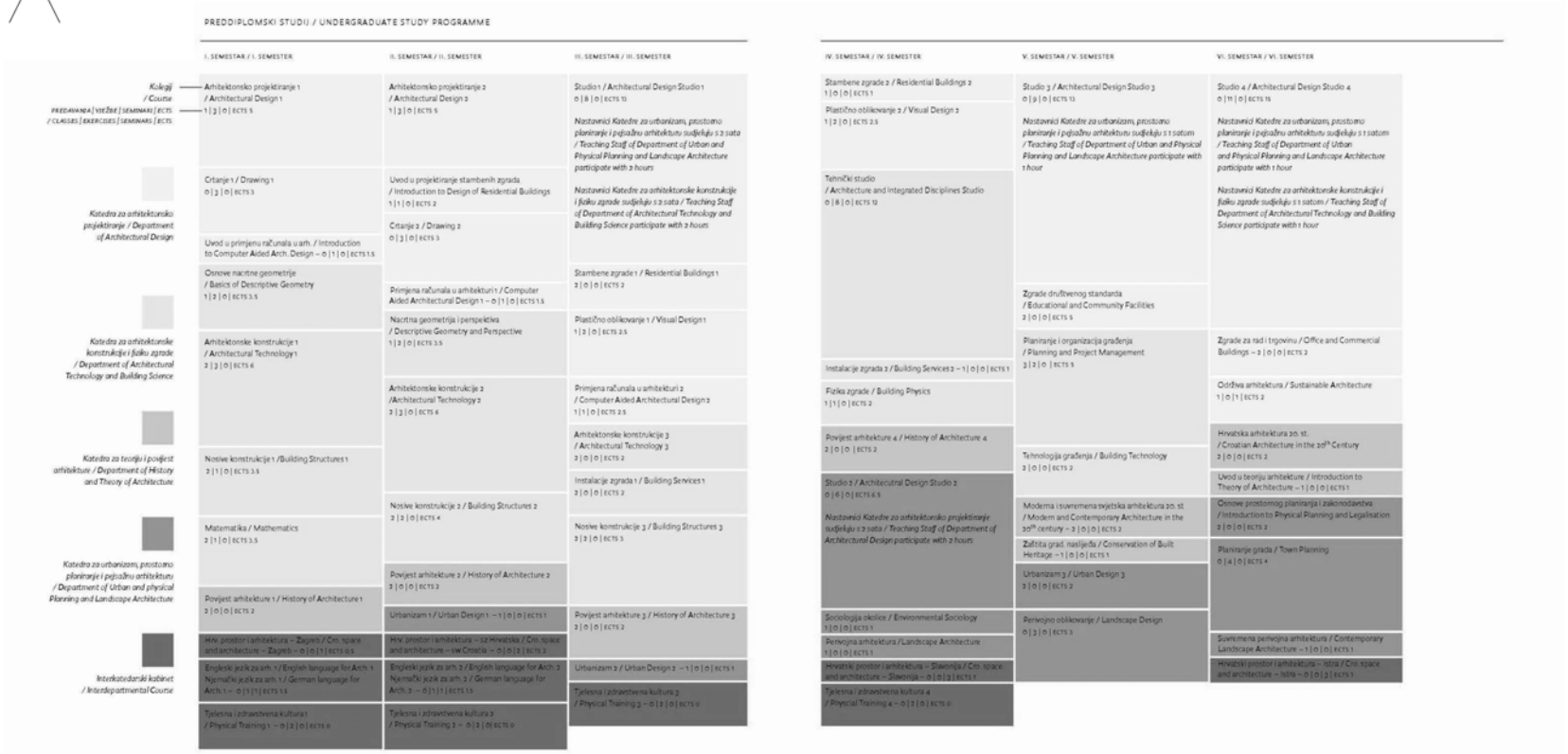

PREDDIPLOMSKI STUDIJ / UNDERGRADUATE STUDY PROGRAMME

Kolegij / Course PREDAVANJA / VJEŽBE / SEMINARI / ECTS / CLASSES / EXERCISES / SEMINARS / ECTS	I. SEMESTAR / I. SEMESTER	II. SEMESTAR / II. SEMESTER	III. SEMESTAR / III. SEMESTER
Katedra za arhitektonsko projektiranje / Department of Architectural Design	Arhitektonsko projektiranje 1 / Architectural Design 1 1 | 3 | 0 | ECTS 5	Arhitektonsko projektiranje 2 / Architectural Design 2 1 | 3 | 0 | ECTS 5	Studio 1 / Architectural Design Studio 1 0 | 8 | 0 | ECTS 13 *Nastavnici Katedre za urbanizam, prostorno planiranje i pejzažnu arhitekturu sudjeluju s 3 sata / Teaching Staff of Department of Urban and Physical Planning and Landscape Architecture participate with 3 hours* *Nastavnici Katedre za arhitektonske konstrukcije i fiziku zgrade sudjeluju s 2 sata / Teaching Staff of Department of Architectural Technology and Building Science participate with 2 hours*
	Crtanje 1 / Drawing 1 0 | 3 | 0 | ECTS 3	Uvod u projektiranje stambenih zgrada / Introduction to Design of Residential Buildings 1 | 1 | 0 | ECTS 2	
	Uvod u primjenu računala u arh. / Introduction to Computer Aided Arch. Design – 0 | 1 | 0 | ECTS 1.5	Crtanje 2 / Drawing 2 0 | 3 | 0 | ECTS 3	
Katedra za arhitektonske konstrukcije i fiziku zgrade / Department of Architectural Technology and Building Science	Osnove nacrtne geometrije / Basics of Descriptive Geometry 1 | 2 | 0 | ECTS 3.5	Primjena računala u arhitekturi 1 / Computer Aided Architectural Design 1 – 0 | 1 | 0 | ECTS 1.5	Stambene zgrade 1 / Residential Buildings 1 2 | 0 | 0 | ECTS 2
	Arhitektonske konstrukcije 1 / Architectural Technology 1 2 | 3 | 0 | ECTS 6	Nacrtna geometrija i perspektiva / Descriptive Geometry and Perspective 1 | 2 | 0 | ECTS 3.5	Plastično oblikovanje 1 / Visual Design 1 1 | 2 | 0 | ECTS 2.5
Katedra za teoriju i povijest arhitekture / Department of History and Theory of Architecture	Nosive konstrukcije 1 /Building Structures 1 2 | 1 | 0 | ECTS 3.5	Arhitektonske konstrukcije 2 /Architectural Technology 2 2 | 3 | 0 | ECTS 6	Primjena računala u arhitekturi 2 / Computer Aided Architectural Design 2 1 | 1 | 0 | ECTS 2.5
			Arhitektonske konstrukcije 3 / Architectural Technology 3 2 | 0 | 0 | ECTS 2
			Instalacije zgrada 1 / Building Services 1 2 | 0 | 0 | ECTS 2
	Matematika / Mathematics 2 | 1 | 0 | ECTS 3.5	Nosive konstrukcije 2 / Building Structures 2 2 | 2 | 0 | ECTS 4	Nosive konstrukcije 3 / Building Structures 3 2 | 2 | 0 | ECTS 3
Katedra za urbanizam, prostorno planiranje i pejzažnu arhitekturu / Department of Urban and physical Planning and Landscape Architecture	Povijest arhitekture 1 / History of Architecture 1 2 | 0 | 0 | ECTS 2	Povijest arhitekture 2 / History of Architecture 2 2 | 0 | 0 | ECTS 2	
		Urbanizam 1 / Urban Design 1 – 1 | 0 | 0 | ECTS 1	Povijest arhitekture 3 / History of Architecture 3 2 | 0 | 0 | ECTS 2
	Hrv. prostor i arhitektura – Zagreb / Cro. space and architecture – Zagreb – 0 | 0 | 1 | ECTS 0.5	Hrv. prostor i arhitektura – sz Hrvatska / Cro. space and architecture – sw Croatia – 0 | 0 | 2 | ECTS 2	Urbanizam 2 / Urban Design 2 – 1 | 0 | 0 | ECTS 1
Interkatedarski kabinet / Interdepartmental Course	Engleski jezik za arh. 1 / English language for Arch. 1 Njemački jezik za arh. 1 / German language for Arch. 1 – 0 | 3 | 1 | ECTS 3.5	Engleski jezik za arh. 2 / English language for Arch. 2 Njemački jezik za arh. 2 / German language for Arch. 2 – 0 | 3 | 1 | ECTS 3.5	Tjelesna i zdravstvena kultura 3 / Physical Training 3 – 0 | 2 | 0 | ECTS 0
	Tjelesna i zdravstvena kultura 1 / Physical Training 1 – 0 | 2 | 0 | ECTS 0	Tjelesna i zdravstvena kultura 2 / Physical Training 2 – 0 | 3 | 0 | ECTS 0	

Kolegij / Course PREDAVANJA / VJEŽBE / SEMINARI / ECTS / CLASSES / EXERCISES / SEMINARS / ECTS	IV. SEMESTAR / IV. SEMESTER	V. SEMESTAR / V. SEMESTER	VI. SEMESTAR / VI. SEMESTER
Katedra za arhitektonsko projektiranje / Department of Architectural Design	Stambene zgrade 2 / Residential Buildings 2 1 | 0 | 0 | ECTS 1	Studio 3 / Architectural Design Studio 3 0 | 9 | 0 | ECTS 13 *Nastavnici Katedre za urbanizam, prostorno planiranje i pejzažnu arhitekturu sudjeluju s 1 satom / Teaching Staff of Department of Urban and Physical Planning and Landscape Architecture participate with 1 hour*	Studio 4 / Architectural Design Studio 4 0 | 11 | 0 | ECTS 16 *Nastavnici Katedre za urbanizam, prostorno planiranje i pejzažnu arhitekturu sudjeluju s 1 satom / Teaching Staff of Department of Urban and Physical Planning and Landscape Architecture participate with 1 hour* *Nastavnici Katedre za arhitektonske konstrukcije i fiziku zgrade sudjeluju s 1 satom / Teaching Staff of Department of Architectural Technology and Building Science participate with 1 hour*
	Plastično oblikovanje 2 / Visual Design 2 1 | 2 | 0 | ECTS 2.5		
	Tehnički studio / Architecture and Integrated Disciplines Studio 0 | 8 | 0 | ECTS 10		
Katedra za arhitektonske konstrukcije i fiziku zgrade / Department of Architectural Technology and Building Science		Zgrade društvenog standarda / Educational and Community Facilities 2 | 0 | 0 | ECTS 5	
		Planiranje i organizacija građenja / Planning and Project Management 2 | 2 | 0 | ECTS 5	Zgrade za rad i trgovinu / Office and Commercial Buildings – 2 | 0 | 0 | ECTS 2
	Instalacije zgrada 2 / Building Services 2 – 1 | 0 | 0 | ECTS 1		Održiva arhitektura / Sustainable Architecture 1 | 0 | 1 | ECTS 2
	Fizika zgrade / Building Physics 1 | 1 | 0 | ECTS 2		
Katedra za teoriju i povijest arhitekture / Department of History and Theory of Architecture	Povijest arhitekture 4 / History of Architecture 4 2 | 0 | 0 | ECTS 2		Hrvatska arhitektura 20. st. / Croatian Architecture in the 20th Century 2 | 0 | 0 | ECTS 2
		Tehnologija građenja / Building Technology 2 | 0 | 0 | ECTS 2	Uvod u teoriju arhitekture / Introduction to Theory of Architecture – 1 | 0 | 0 | ECTS 1
	Studio 2 / Architectural Design Studio 2 0 | 6 | 0 | ECTS 6.5 *Nastavnici Katedre za arhitektonsko projektiranje sudjeluju s 2 sata / Teaching Staff of Department of Architectural Design participate with 2 hours*	Moderna i suvremena svjetska arhitektura 20. st / Modern and Contemporary Architecture in the 20th century – 2 | 0 | 0 | ECTS 2	Osnove prostornog planiranja i zakonodavstva / Introduction to Physical Planning and Legalisation 2 | 0 | 0 | ECTS 2
		Zaštita grad. nasljeđa / Conservation of Built Heritage – 1 | 0 | 0 | ECTS 1	Planiranje grada / Town Planning 0 | 4 | 0 | ECTS 4
		Urbanizam 3 / Urban Design 3 2 | 0 | 0 | ECTS 2	
Interkatedarski kabinet / Interdepartmental Course	Sociologija okoliša / Environmental Sociology 1 | 0 | 0 | ECTS 1	Perivojno oblikovanje / Landscape Design 0 | 3 | 0 | ECTS 3	
	Perivojna arhitektura / Landscape Architecture 1 | 0 | 0 | ECTS 1		Suvremena perivojna arhitektura / Contemporary Landscape Architecture – 1 | 0 | 0 | ECTS 1
	Hrvatski prostor i arhitektura – Slavonija / Cro. space and architecture – Slavonija – 0 | 0 | 3 | ECTS 3		Hrvatski prostor i arhitektura – Istra / Cro. space and architecture – Istra – 0 | 0 | 3 | ECTS 3
	Tjelesna i zdravstvena kultura 4 / Physical Training 4 – 0 | 2 | 0 | ECTS 0		

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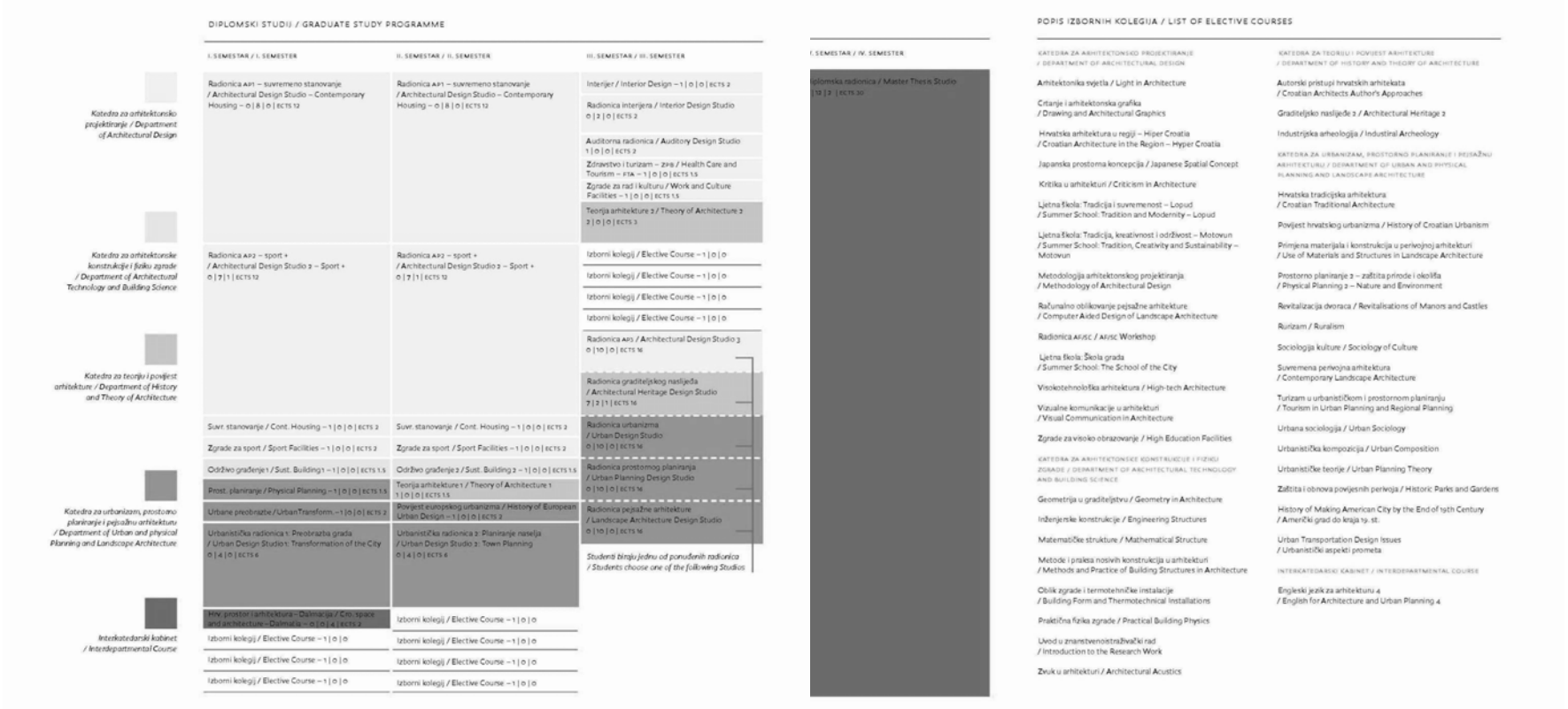
How to become an architect in the EU

CROATIA



DIPLOMSKI STUDIJ / GRADUATE STUDY PROGRAMME

I. SEMESTAR / I. SEMESTER

II. SEMESTAR / II. SEMESTER

III. SEMESTAR / III. SEMESTER

Katedra za arhitektonsko projektiranje / Department of Architectural Design

Radionica AP1 – suvremeno stanovanje / Architectural Design Studio – Contemporary Housing – 0 | 8 | 0 | ECTS 12

Radionica AP1 – suvremeno stanovanje / Architectural Design Studio – Contemporary Housing – 0 | 8 | 0 | ECTS 12

Interijer / Interior Design – 1 | 0 | 0 | ECTS 2

Radionica interjera / Interior Design Studio 0 | 2 | 0 | ECTS 2

Auditorna radionica / Auditory Design Studio 1 | 0 | 0 | ECTS 2

Zdravstvo i turizam – ZPB / Health Care and Tourism – FTA – 1 | 0 | 0 | ECTS 1.5

Zgrade za rad i kulturu / Work and Culture Facilities – 1 | 0 | 0 | ECTS 1.5

Teorija arhitekture 2 / Theory of Architecture 2 2 | 0 | 0 | ECTS 3

Katedra za arhitektonske konstrukcije i fiziku zgrade / Department of Architectural Technology and Building Science

Radionica AP2 – sport + / Architectural Design Studio 2 – Sport + 0 | 7 | 1 | ECTS 12

Radionica AP2 – sport + / Architectural Design Studio 2 – Sport + 0 | 7 | 1 | ECTS 12

Izborni kolegij / Elective Course – 1 | 0 | 0

Izborni kolegij / Elective Course – 1 | 0 | 0

Izborni kolegij / Elective Course – 1 | 0 | 0

Izborni kolegij / Elective Course – 1 | 0 | 0

Radionica AP3 / Architectural Design Studio 3 0 | 10 | 0 | ECTS 16

Katedra za teoriju i povijest arhitekture / Department of History and Theory of Architecture

Radionica graditeljskog nasljeđa / Architectural Heritage Design Studio 7 | 2 | 1 | ECTS 16

Suvr. stanovanje / Cont. Housing – 1 | 0 | 0 | ECTS 2

Suvr. stanovanje / Cont. Housing – 1 | 0 | 0 | ECTS 2

Radionica urbanizma / Urban Design Studio 0 | 10 | 0 | ECTS 16

Zgrade za sport / Sport Facilities – 1 | 0 | 0 | ECTS 2

Zgrade za sport / Sport Facilities – 1 | 0 | 0 | ECTS 2

Održivo građenje 1 / Sust. Building 1 – 1 | 0 | 0 | ECTS 1.5

Održivo građenje 2 / Sust. Building 2 – 1 | 0 | 0 | ECTS 1.5

Radionica prostornog planiranja / Urban Planning Design Studio 0 | 10 | 0 | ECTS 16

Prost. planiranje / Physical Planning – 1 | 0 | 0 | ECTS 1.5

Teorija arhitekture 1 / Theory of Architecture 1 1 | 0 | 0 | ECTS 1.5

Katedra za urbanizam, prostorno planiranje i pejsažnu arhitekturu / Department of Urban and physical Planning and Landscape Architecture

Urbane preobrazbe / UrbanTransform. – 1 | 0 | 0 | ECTS 2

Povijest europskog urbanizma / History of European Urban Design – 1 | 0 | 0 | ECTS 2

Radionica pejsažne arhitekture / Landscape Architecture Design Studio 0 | 10 | 0 | ECTS 16

Urbanistička radionica 1: Preobrazba grada / Urban Design Studio 1: Transformation of the City 0 | 4 | 0 | ECTS 6

Urbanistička radionica 2: Planiranje naselja / Urban Design Studio 2: Town Planning 0 | 4 | 0 | ECTS 6

Studenti biraju jednu od ponuđenih radionica / Students choose one of the following Studios

Interkatedarski kabinet / Interdepartmental Course

Hrv. prostor i arhitektura – Dalmacija / Cro. space and architecture – Dalmatia – 0 | 0 | 4 | ECTS 2

Izborni kolegij / Elective Course – 1 | 0 | 0

Izborni kolegij / Elective Course – 1 | 0 | 0

Izborni kolegij / Elective Course – 1 | 0 | 0

Izborni kolegij / Elective Course – 1 | 0 | 0

Izborni kolegij / Elective Course – 1 | 0 | 0

Izborni kolegij / Elective Course – 1 | 0 | 0

Izborni kolegij / Elective Course – 1 | 0 | 0

Izborni kolegij / Elective Course – 1 | 0 | 0

I. SEMESTAR / IV. SEMESTER

Diplomska radionica / Master Thesis Studio 0 | 10 | 2 | ECTS 30

POPIS IZBORNIH KOLEGIJA / LIST OF ELECTIVE COURSES

KATEDRA ZA ARHITEKTONSKO PROJEKTIRANJE / DEPARTMENT OF ARCHITECTURAL DESIGN

Arhitektonika svjetla / Light in Architecture

Crtanje i arhitektonska grafika / Drawing and Architectural Graphics

Hrvatska arhitektura u regiji – Hiper Croatia / Croatian Architecture in the Region – Hyper Croatia

Japanska prostorna koncepcija / Japanese Spatial Concept

Kritika u arhitekturi / Criticism in Architecture

Ljetna škola: Tradicija i suvremenost – Lopud / Summer School: Tradition and Modernity – Lopud

Ljetna škola: Tradicija, kreativnost i održivost – Motovun / Summer School: Tradition, Creativity and Sustainability – Motovun

Metodologija arhitektonskog projektiranja / Methodology of Architectural Design

Računalno oblikovanje pejsažne arhitekture / Computer Aided Design of Landscape Architecture

Radionica AR/SC / AR/SC Workshop

Ljetna škola: Škola grada / Summer School: The School of the City

Visokotehnološka arhitektura / High-tech Architecture

Vizualne komunikacije u arhitekturi / Visual Communication in Architecture

Zgrade za visoko obrazovanje / High Education Facilities

KATEDRA ZA ARHITEKTONSKE KONSTRUKCIJE I FIZIKU ZGRADE / DEPARTMENT OF ARCHITECTURAL TECHNOLOGY AND BUILDING SCIENCE

Geometrija u graditeljstvu / Geometry in Architecture

Inženjerske konstrukcije / Engineering Structures

Matematičke strukture / Mathematical Structure

Metode i praksa nosivih konstrukcija u arhitekturi / Methods and Practice of Building Structures in Architecture

Oblik zgrade i termotehničke instalacije / Building Form and Thermotechnical Installations

Praktična fizika zgrade / Practical Building Physics

Uvod u znanstvenoistraživački rad / Introduction to the Research Work

Zvuk u arhitekturi / Architectural Acustics

KATEDRA ZA TEORIJU I POVIJEST ARHITEKTURE / DEPARTMENT OF HISTORY AND THEORY OF ARCHITECTURE

Autorski pristupi hrvatskih arhitekata / Croatian Architects Author's Approaches

Graditeljsko nasljeđe 2 / Architectural Heritage 2

Industrijska arheologija / Industrial Archeology

KATEDRA ZA URBANIZAM, PROSTORNO PLANIRANJE I PEJSAŽNU ARHITEKTURU / DEPARTMENT OF URBAN AND PHYSICAL PLANNING AND LANDSCAPE ARCHITECTURE

Hrvatska tradicijska arhitektura / Croatian Traditional Architecture

Povijest hrvatskog urbanizma / History of Croatian Urbanism

Primjena materijala i konstrukcija u perivojnoj arhitekturi / Use of Materials and Structures in Landscape Architecture

Prostorno planiranje 2 – zaštita prirode i okoliša / Physical Planning 2 – Nature and Environment

Revitalizacija dvoraca / Revitalisations of Manors and Castles

Ruralizam / Ruralism

Sociologija kulture / Sociology of Culture

Suvremena perivojna arhitektura / Contemporary Landscape Architecture

Turizam u urbanističkom i prostornom planiranju / Tourism in Urban Planning and Regional Planning

Urbana sociologija / Urban Sociology

Urbanistička kompozicija / Urban Composition

Urbanističke teorije / Urban Planning Theory

Zaštita i obnova povijesnih perivoja / Historic Parks and Gardens

History of Making American City by the End of 19th Century / Američki grad do kraja 19. st.

Urban Transportation Design Issues / Urbanistički aspekti prometa

INTERKATEDARSKI KABINET / INTERDEPARTMENTAL COURSE

Engleski jezik za arhitekturu 4 / English for Architecture and Urban Planning 4

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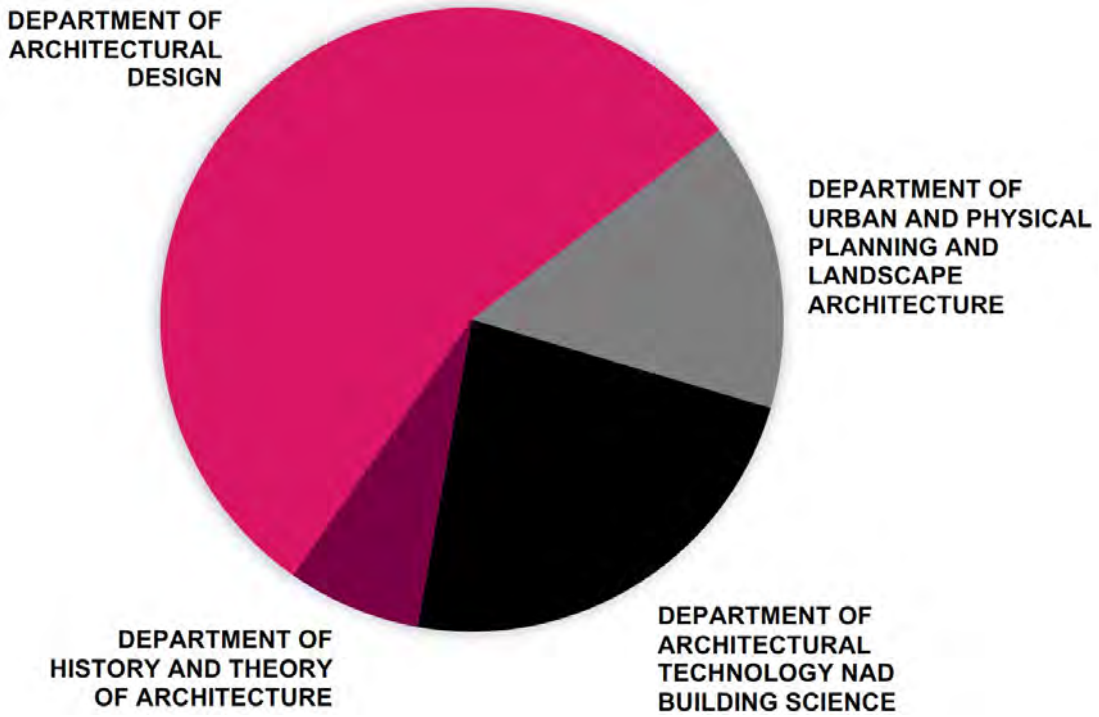

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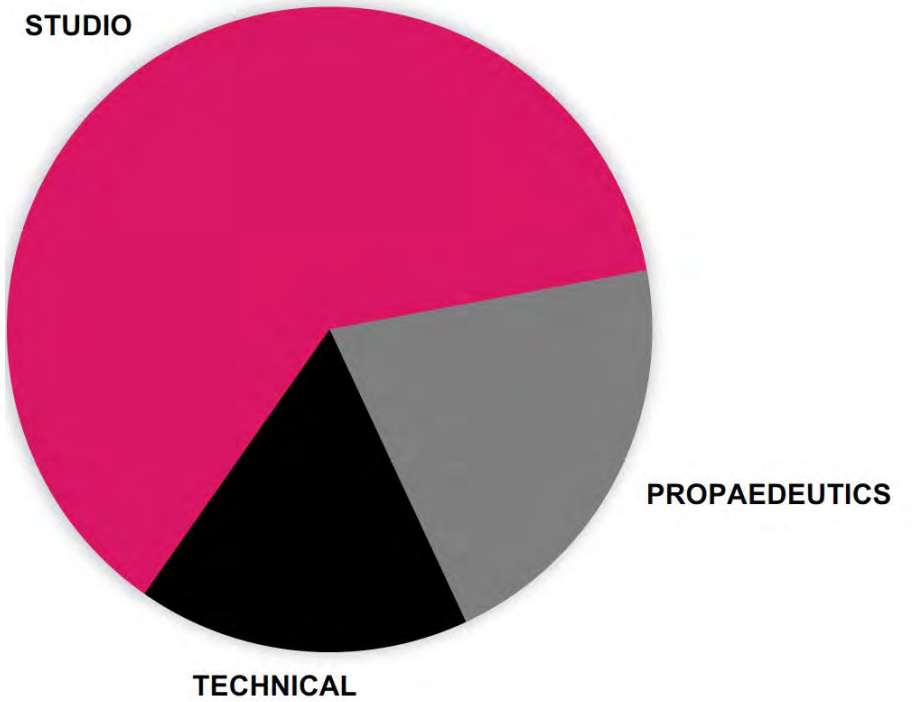

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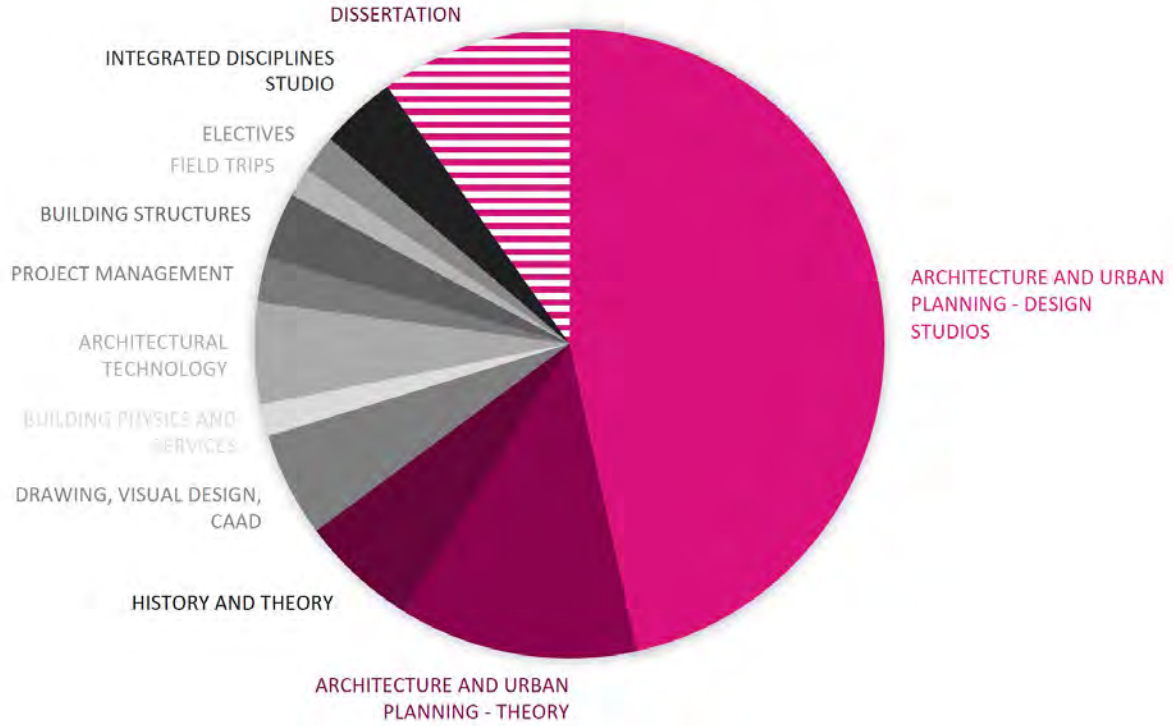

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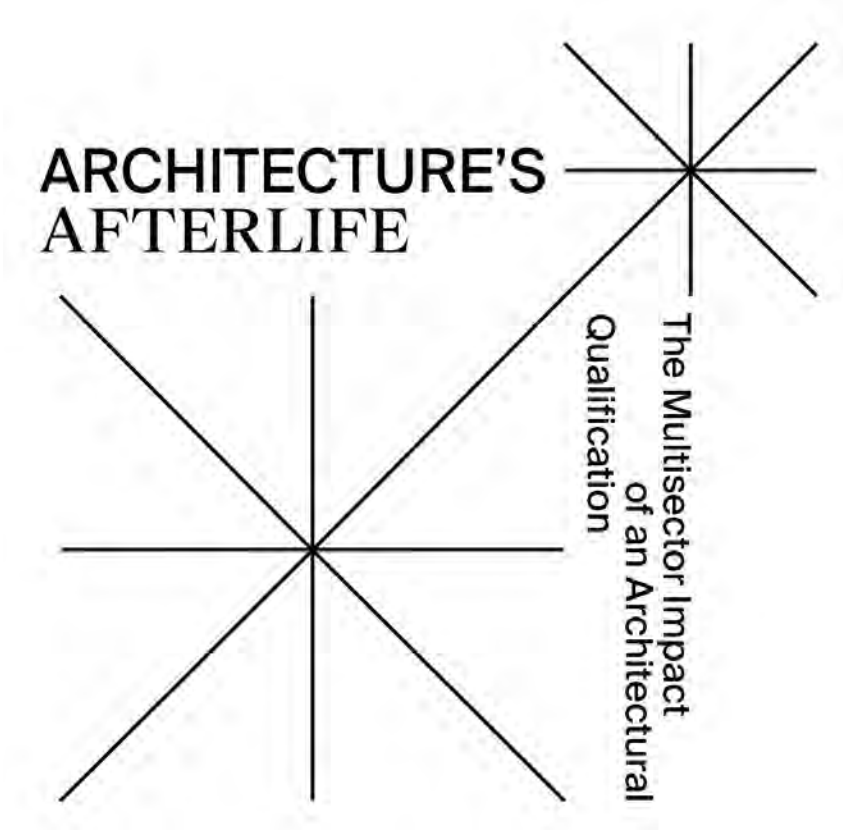
Multiplier Event 04
Friday 26th November 2021, Universitat Politècnica de València, online
https://pratt.zoom.us/j/98237656851

Latest Results of the Afterlife Survey on the Practice of Architecture

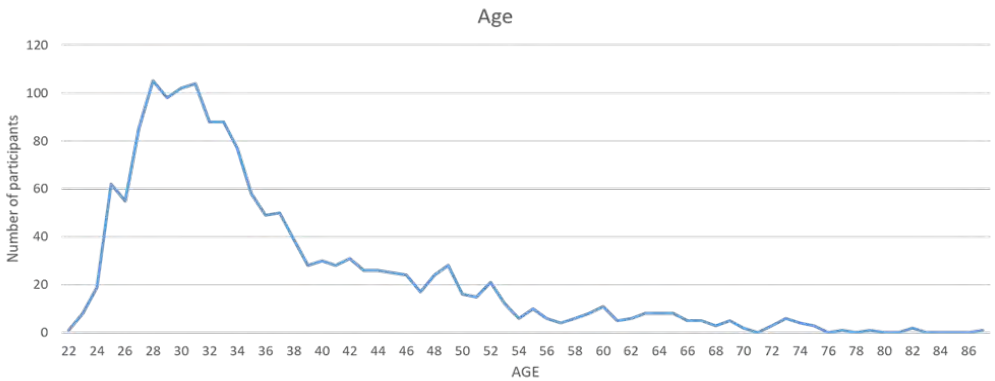
Johan De Walsche
University of Antwerp, Belgium

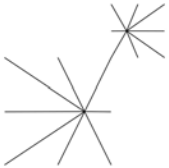


ARCHITECTURE'S AFTERLIFE

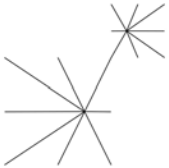
The Multidisciplinary Impact of an Architectural Qualification

>2500 respondents
56% female / 43% male
62 countries
average age = 37 years





field of occupation



field of occupation

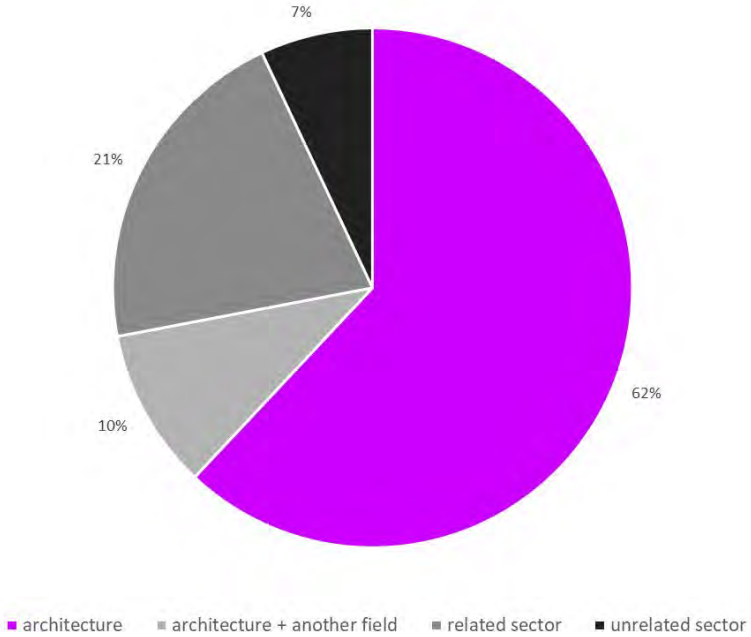
Architecture

Architecture + another field

Related sector

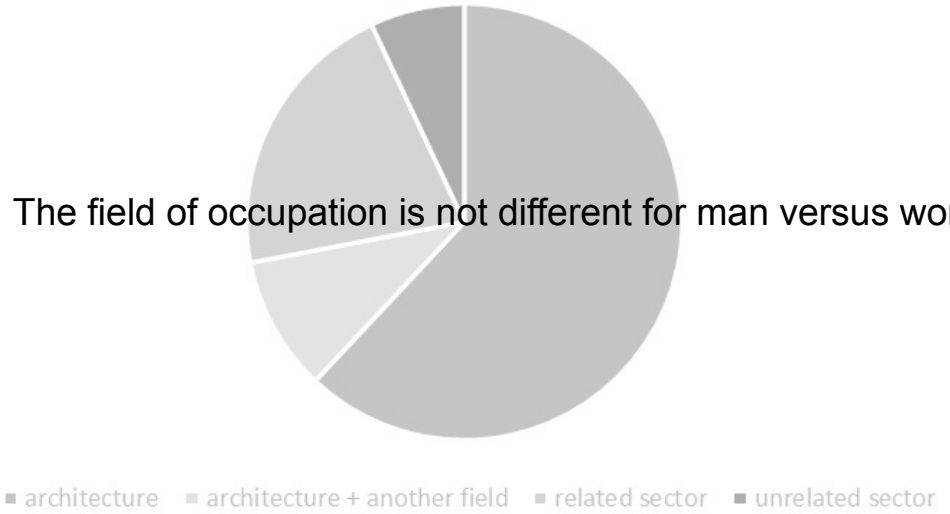
Unrelated sector

field of occupation



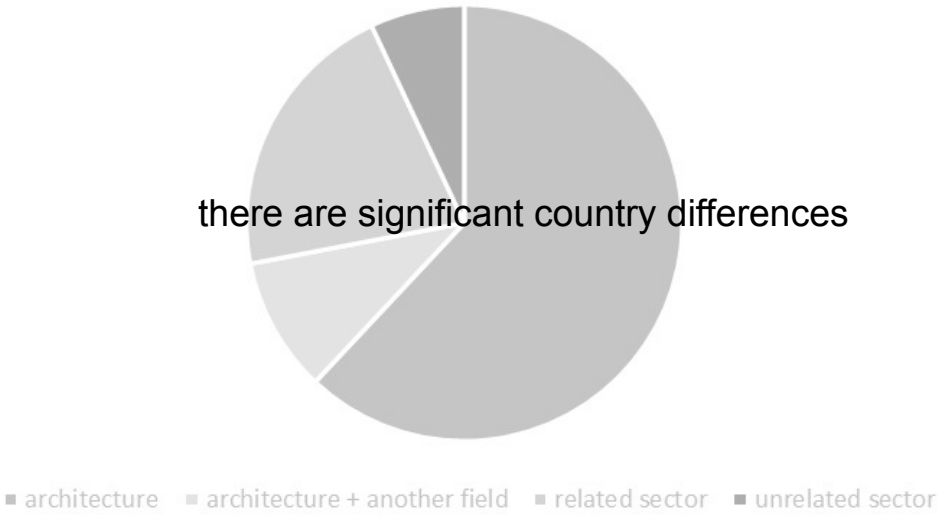
field of occupation

The field of occupation is not different for man versus women



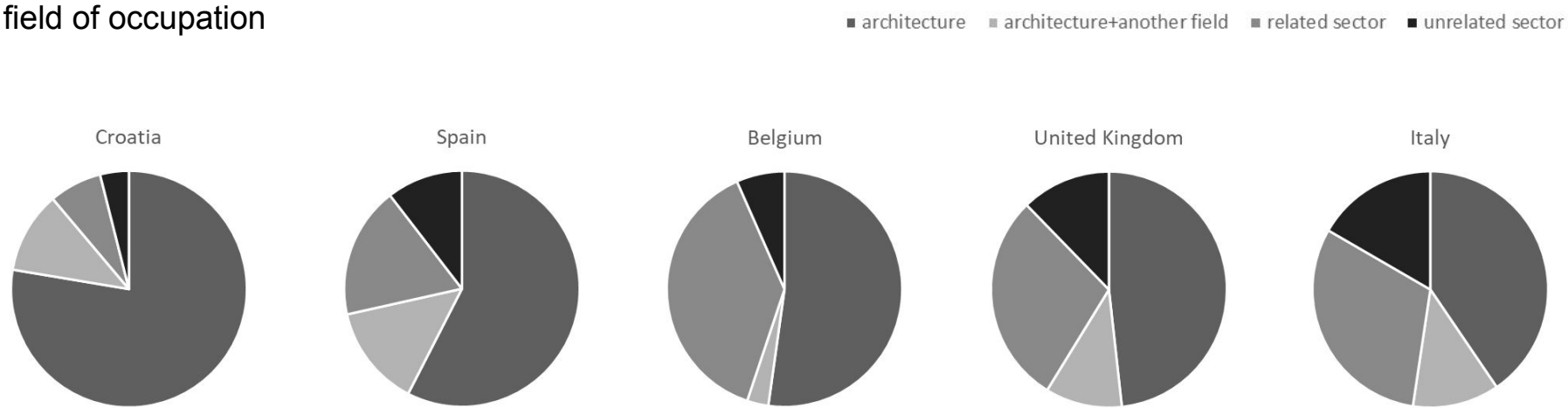
field of occupation

there are significant country differences

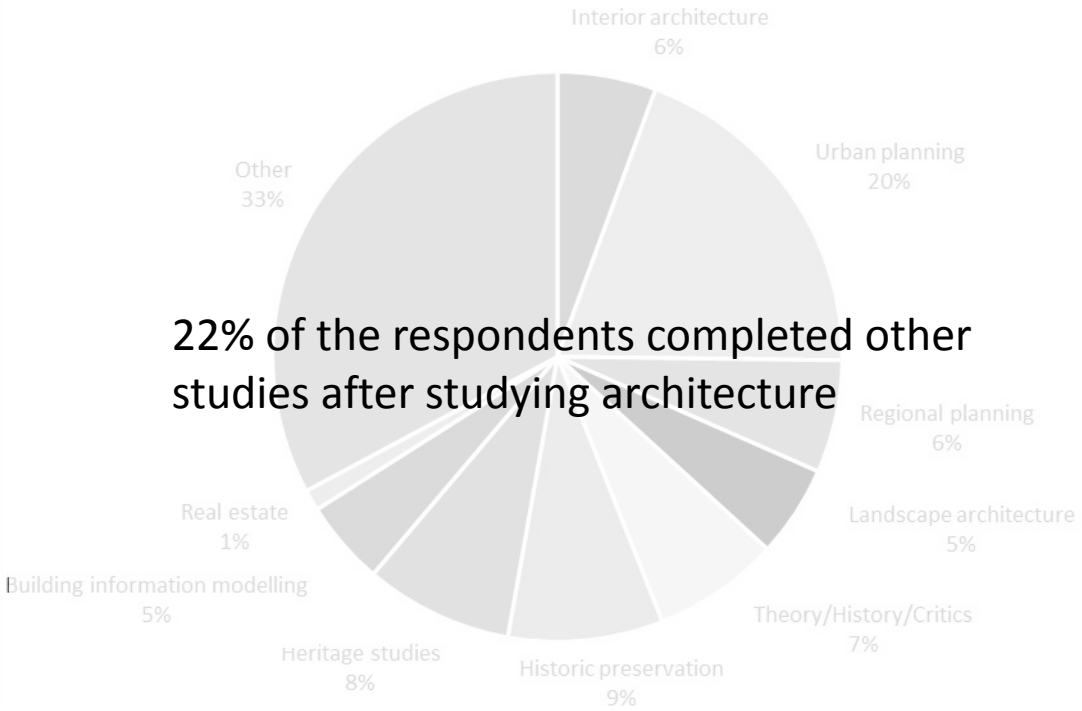


Johan De Walsche, *University of Antwerp*

field of occupation

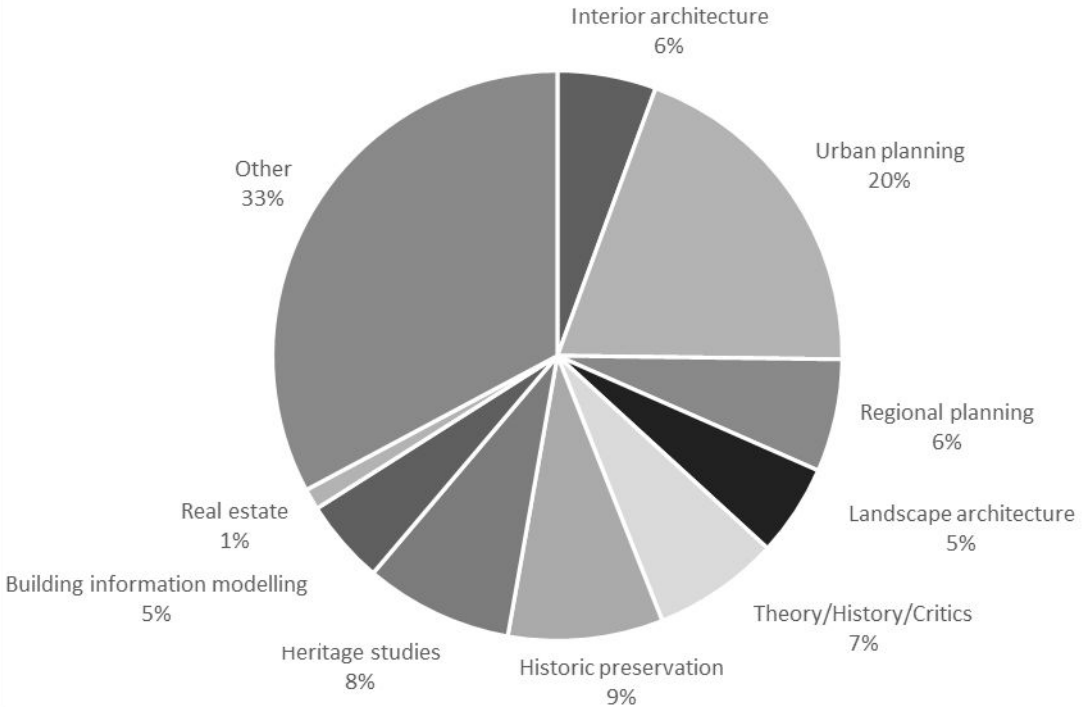


other studies, besides architecture

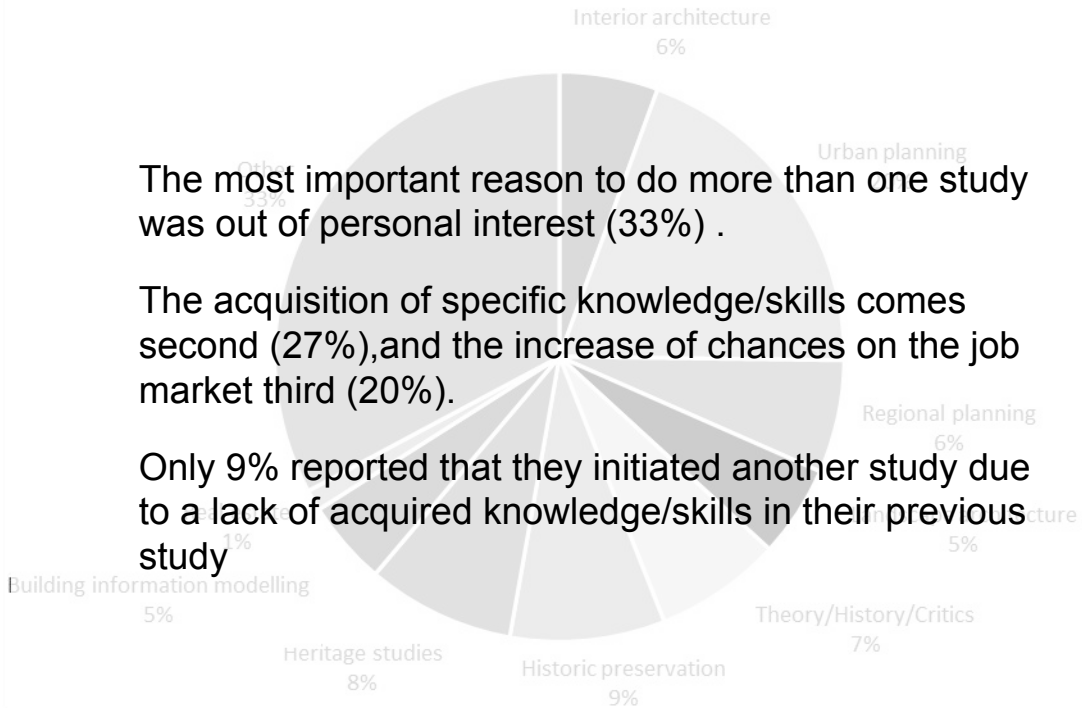


22% of the respondents completed other studies after studying architecture

other studies, besides architecture



other studies, besides architecture



The most important reason to do more than one study was out of personal interest (33%) .

The acquisition of specific knowledge/skills comes second (27%),and the increase of chances on the job market third (20%).

Only 9% reported that they initiated another study due to a lack of acquired knowledge/skills in their previous study

ARCHITECTURE'S AFTERLIFE

The Multisectoral Impact of an Architectural Qualification

skills and competences

skills and competences

Skills and knowledge

Processing information

Personal competence

Presentation and communication

Diversity Competence

Cooperation competence

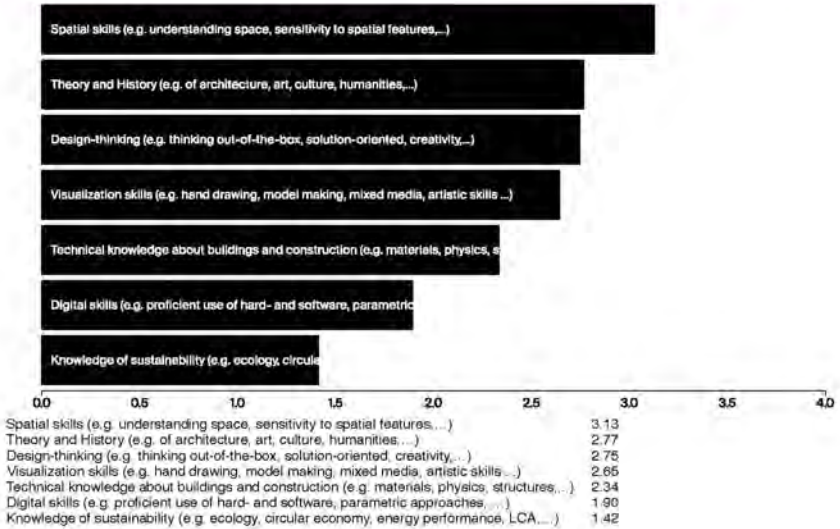
Employability

skills and competences

Skills and knowledge	• Design-thinking (e.g. thinking out-of-the-box, solution-oriented, creativity,...) • Spatial skills (e.g. understanding space, sensitivity to spatial features,...) • Digital skills (e.g. proficient use of hard- and software, parametric approaches, ...) • Visualization skills (e.g. hand drawing, model making, mixed media, artistic skills ...) • Theory and History (e.g. of architecture, art, culture, humanities,...) • Knowledge of sustainability (e.g. ecology, circular economy, energy performance, LCA,...) • Technical knowledge about buildings and construction (e.g. materials, physics, structures,...)
Processing information	• Developing vision • Being passionate about architecture • Inquiring and questioning (e.g. investigating a brief for a project,... • Research skills (e.g. systematic investigation of a problem in order to gain a better insight) • Being critical (e.g. taking critical distance from own work) • Dealing with complexity • Decision making (e.g. taking a stance, making judgments,...) • Taking an artistic approach (e.g. addressing emotions, going beyond the conventional,...) • Producing something relevant
Personal competence	• Determination (e.g. commitment, persistence, dedication, willingness to achieve,...) • Work ethic (e.g. self-discipline, willingness to work hard,...) • Endurance (e.g. working under pressure, handling stress and deadlines,...) • Handling criticism • Flexibility (e.g. adaptability, being open for change and renewal,...) • Constant learning and self-improvement • Dealing with uncertainty / being able to function in conditions of uncertainty
Presentation and communication	• Presentation skills (e.g. selling an idea, public speaking,...)
Diversity Competence	• Empathy (e.g. being interested in the story of someone else) • Openness to other views and ways of living
Cooperation competence	• Working with clients • Collaboration skills (e.g. team work) • Mediating skills (e.g. negotiations, conflict mediation,...)
Employability	• Project management skills (e.g. time management, productivity,...) • Business management skills (e.g. managing a business, company, department)

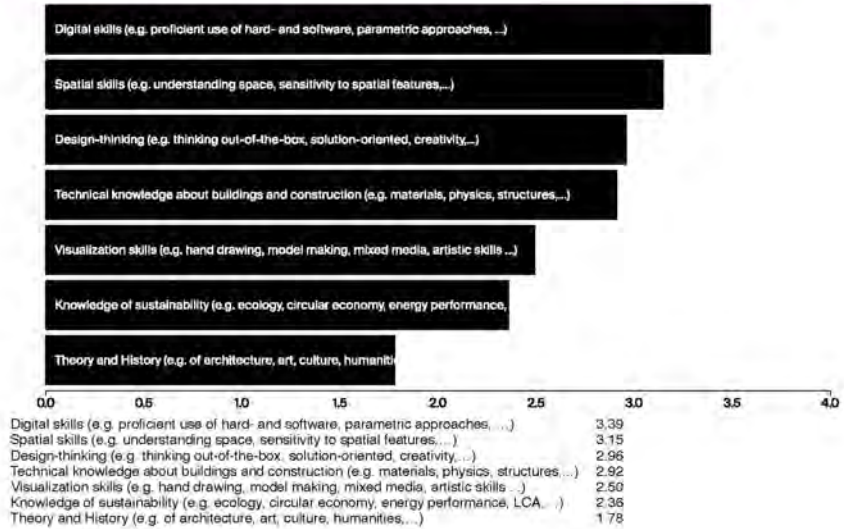
skills and knowledge

acquired



Spatial skills (e.g. understanding space, sensitivity to spatial features,...)	3.13
Theory and History (e.g. of architecture, art, culture, humanities,...)	2.77
Design-thinking (e.g. thinking out-of-the-box, solution-oriented, creativity,...)	2.75
Visualization skills (e.g. hand drawing, model making, mixed media, artistic skills ...)	2.65
Technical knowledge about buildings and construction (e.g. materials, physics, structures,...)	2.34
Digital skills (e.g. proficient use of hard- and software, parametric approaches, ...)	1.90
Knowledge of sustainability (e.g. ecology, circular economy, energy performance, LCA,...)	1.42

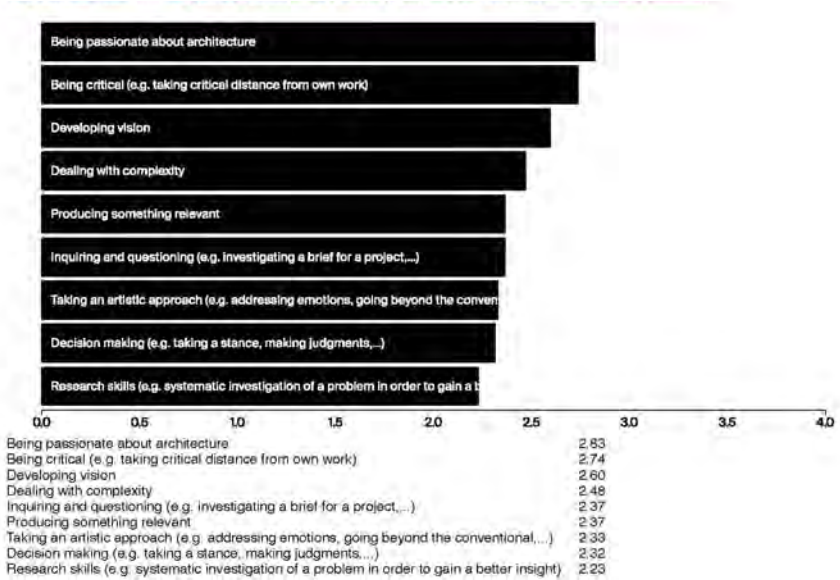
used



Digital skills (e.g. proficient use of hard- and software, parametric approaches, ...)	3.39
Spatial skills (e.g. understanding space, sensitivity to spatial features,...)	3.15
Design-thinking (e.g. thinking out-of-the-box, solution-oriented, creativity,...)	2.96
Technical knowledge about buildings and construction (e.g. materials, physics, structures,...)	2.92
Visualization skills (e.g. hand drawing, model making, mixed media, artistic skills ...)	2.50
Knowledge of sustainability (e.g. ecology, circular economy, energy performance, LCA,...)	2.36
Theory and History (e.g. of architecture, art, culture, humanities,...)	1.78

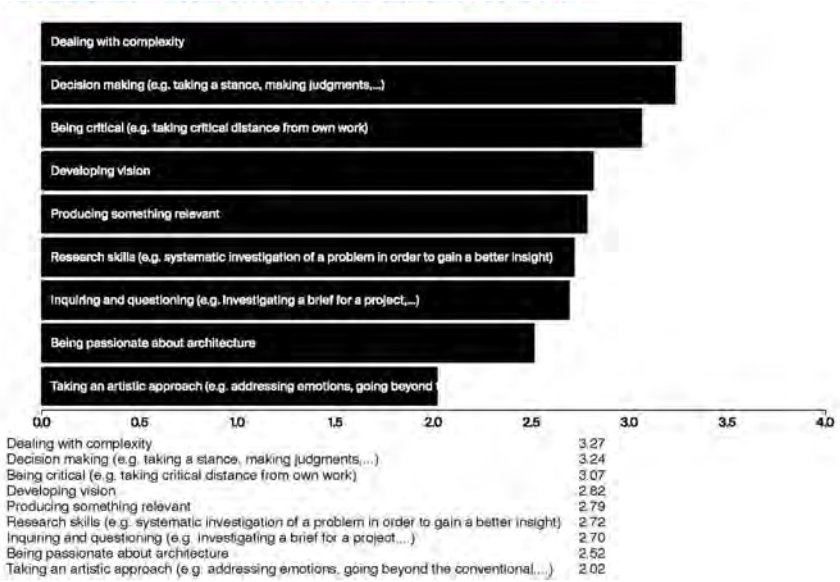
processing information

acquired



Being passionate about architecture	2.83
Being critical (e.g. taking critical distance from own work)	2.74
Developing vision	2.60
Dealing with complexity	2.48
Inquiring and questioning (e.g. investigating a brief for a project,...)	2.37
Producing something relevant	2.37
Taking an artistic approach (e.g. addressing emotions, going beyond the conventional,...)	2.33
Decision making (e.g. taking a stance, making judgments,...)	2.32
Research skills (e.g. systematic investigation of a problem in order to gain a better insight)	2.23

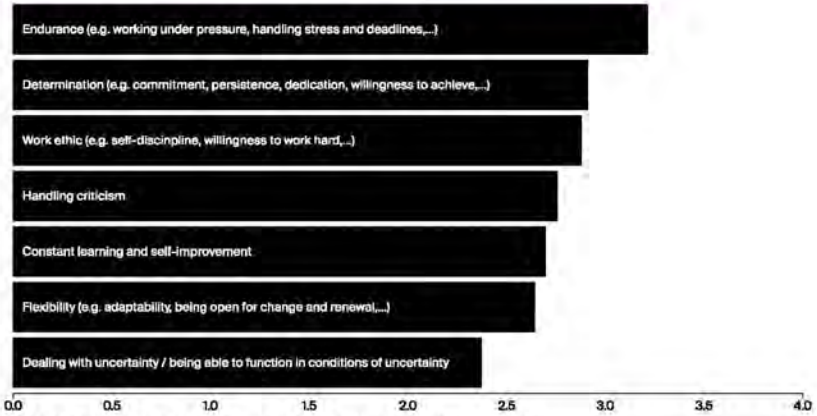
used



Dealing with complexity	3.27
Decision making (e.g. taking a stance, making judgments,...)	3.24
Being critical (e.g. taking critical distance from own work)	3.07
Developing vision	2.82
Producing something relevant	2.79
Research skills (e.g. systematic investigation of a problem in order to gain a better insight)	2.72
Inquiring and questioning (e.g. investigating a brief for a project,...)	2.70
Being passionate about architecture	2.52
Taking an artistic approach (e.g. addressing emotions, going beyond the conventional,...)	2.02

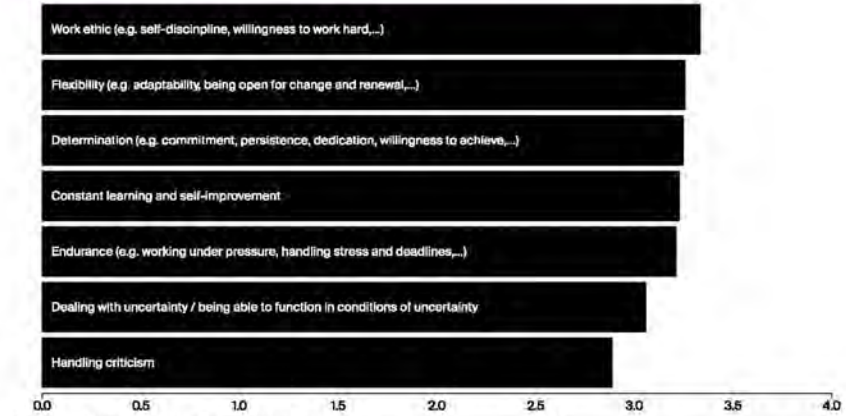
personal competences

acquired



Endurance (e.g. working under pressure, handling stress and deadlines,...)	3.22
Determination (e.g. commitment, persistence, dedication, willingness to achieve,...)	2.91
Work ethic (e.g. self-discipline, willingness to work hard,...)	2.88
Handling criticism	2.76
Constant learning and self-improvement	2.70
Flexibility (e.g. adaptability, being open for change and renewal,...)	2.65
Dealing with uncertainty / being able to function in conditions of uncertainty	2.38

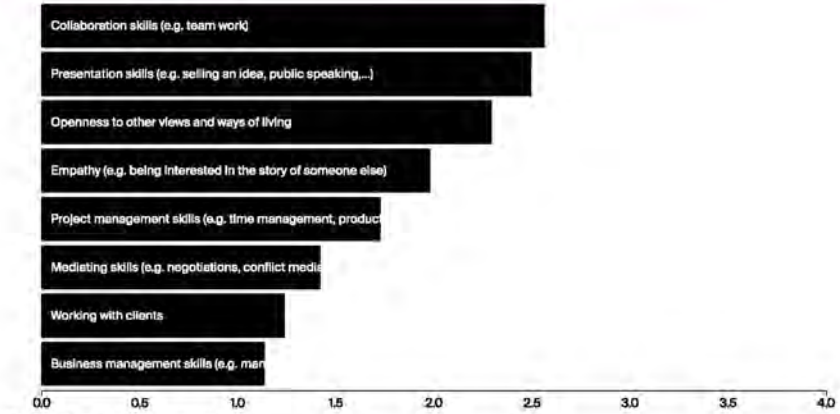
used



Work ethic (e.g. self-discipline, willingness to work hard,...)	3.34
Flexibility (e.g. adaptability, being open for change and renewal,...)	3.26
Determination (e.g. commitment, persistence, dedication, willingness to achieve,...)	3.25
Constant learning and self-improvement	3.23
Endurance (e.g. working under pressure, handling stress and deadlines,...)	3.21
Dealing with uncertainty / being able to function in conditions of uncertainty	3.06
Handling criticism	2.89

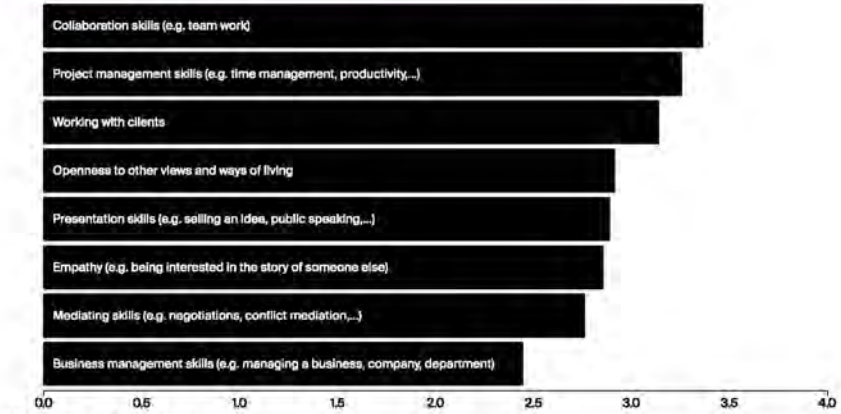
diversity/cooperation/employability

acquired

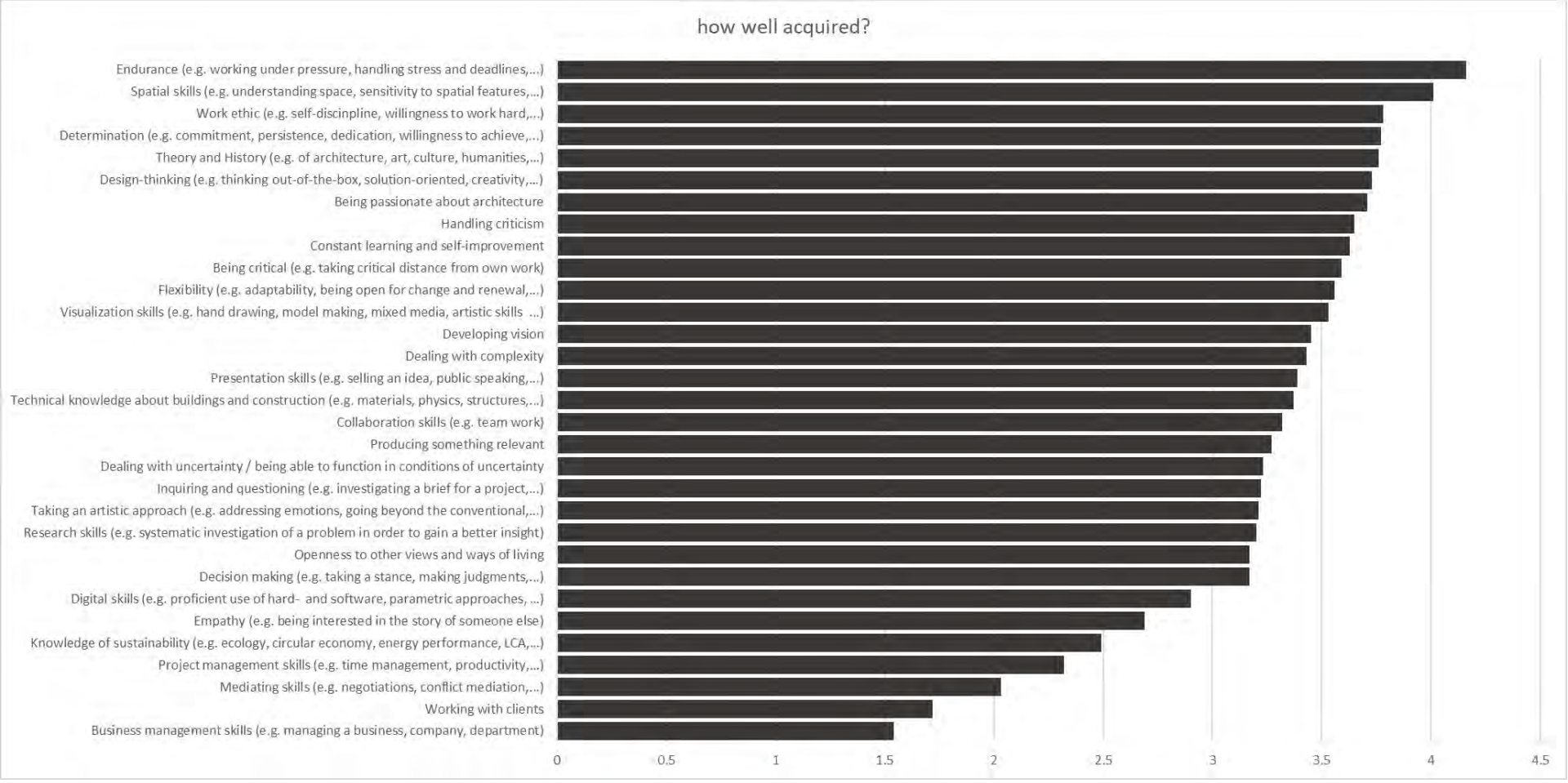


Collaboration skills (e.g. team work)	2.56
Presentation skills (e.g. selling an idea, public speaking,...)	2.50
Openness to other views and ways of living	2.29
Empathy (e.g. being interested in the story of someone else)	1.98
Project management skills (e.g. time management, productivity,...)	1.73
Mediating skills (e.g. negotiations, conflict mediation,...)	1.42
Working with clients	1.24
Business management skills (e.g. managing a business, company, department)	1.14

used



Collaboration skills (e.g. team work)	3.37
Project management skills (e.g. time management, productivity,...)	3.26
Working with clients	3.14
Openness to other views and ways of living	2.92
Presentation skills (e.g. selling an idea, public speaking,...)	2.89
Empathy (e.g. being interested in the story of someone else)	2.86
Mediating skills (e.g. negotiations, conflict mediation,...)	2.77
Business management skills (e.g. managing a business, company, department)	2.45


how well acquired?
Endurance (e.g. working under pressure, handling stress and deadlines,...)
Spatial skills (e.g. understanding space, sensitivity to spatial features,...)
Work ethic (e.g. self-discipline, willingness to work hard,...)
Determination (e.g. commitment, persistence, dedication, willingness to achieve,...)
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Being passionate about architecture
Handling criticism
Constant learning and self-improvement
Being critical (e.g. taking critical distance from own work)
Flexibility (e.g. adaptability, being open for change and renewal,...)
Visualization skills (e.g. hand drawing, model making, mixed media, artistic skills ...)
Developing vision
Dealing with complexity
Presentation skills (e.g. selling an idea, public speaking,...)
Technical knowledge about buildings and construction (e.g. materials, physics, structures,...)
Collaboration skills (e.g. team work)
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Inquiring and questioning (e.g. investigating a brief for a project,...)
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Research skills (e.g. systematic investigation of a problem in order to gain a better insight)
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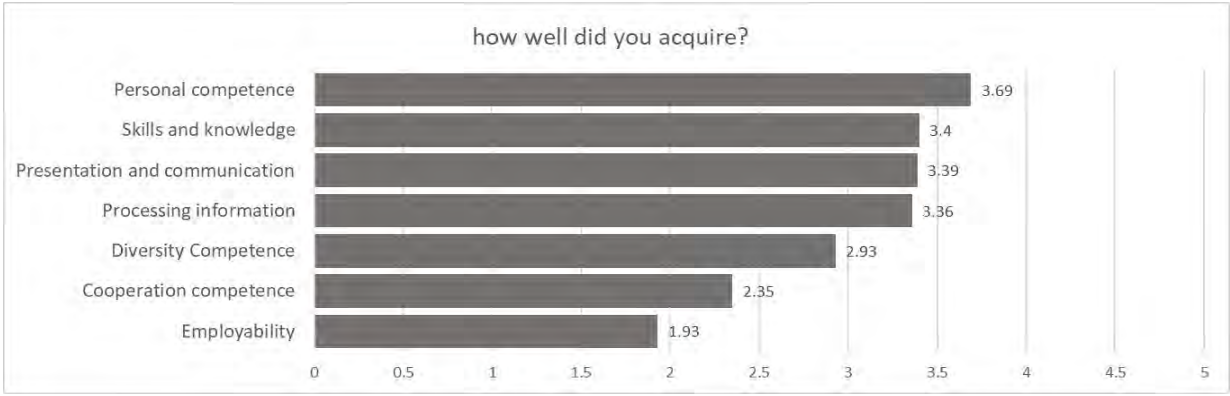
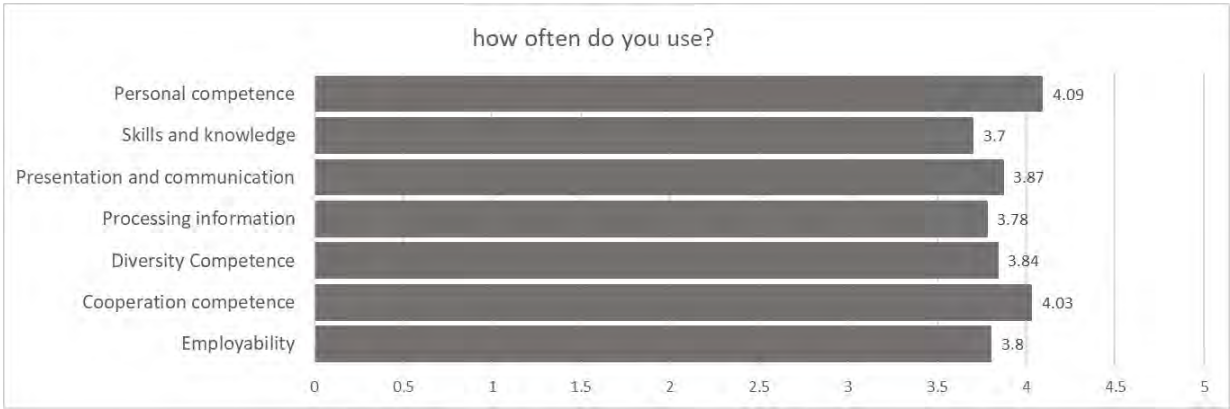
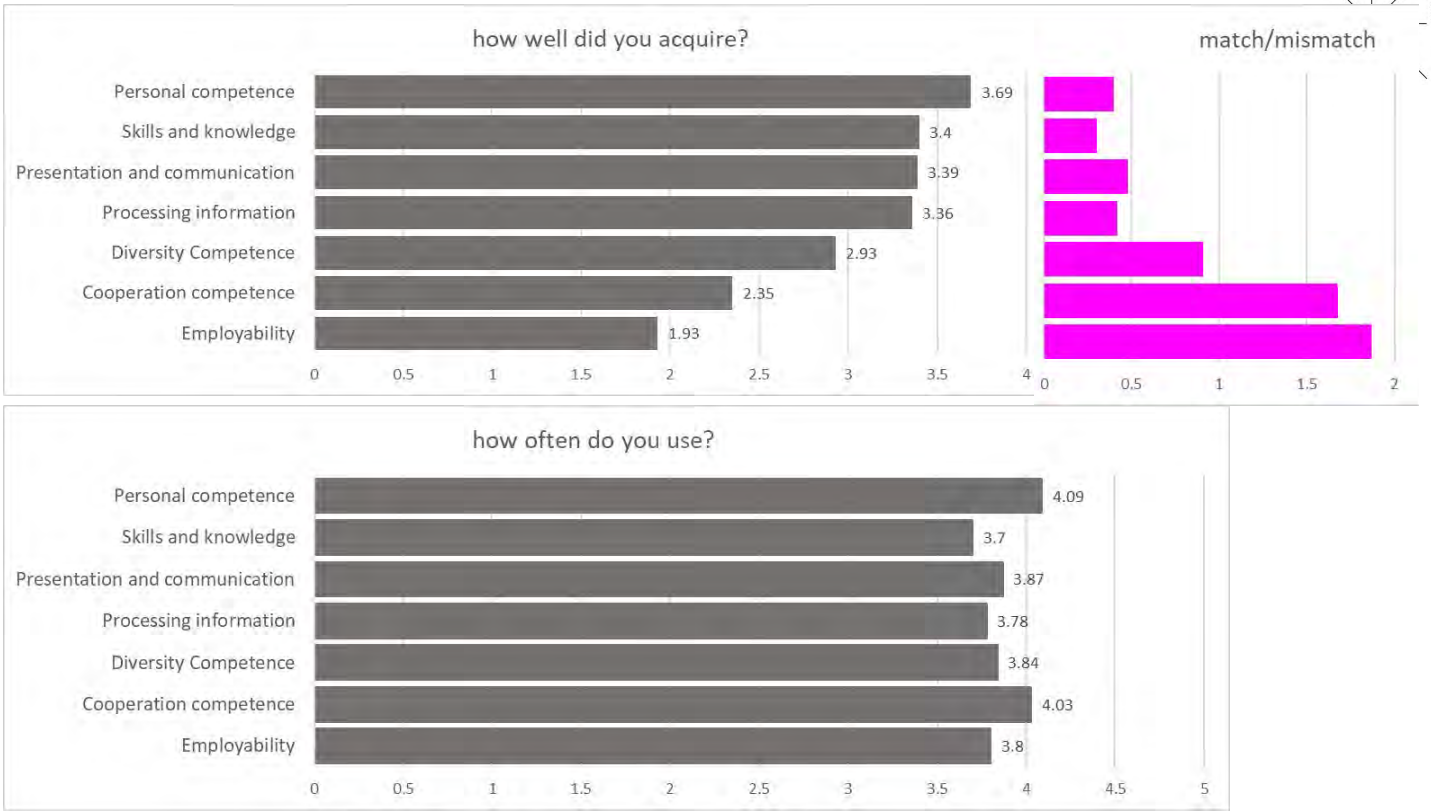
Knowledge of sustainability (e.g. ecology, circular economy, energy performance, LCA,...)
Project management skills (e.g. time management, productivity,...)
Mediating skills (e.g. negotiations, conflict mediation,...)
Working with clients
Business management skills (e.g. managing a business, company, department)
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5

match/
mismatch





match/
mismatch



How often do you use?

ARCHITECTURE'S AFTERLIFE

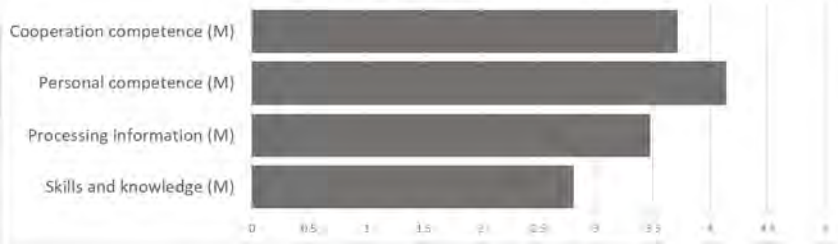
The Multisectoral Impact of an Architectural Qualification

architecture

significant differences across flows

related sector

unrelated sector



ARCHITECTURE'S AFTERLIFE

The Multisector Impact of an Architectural Qualification

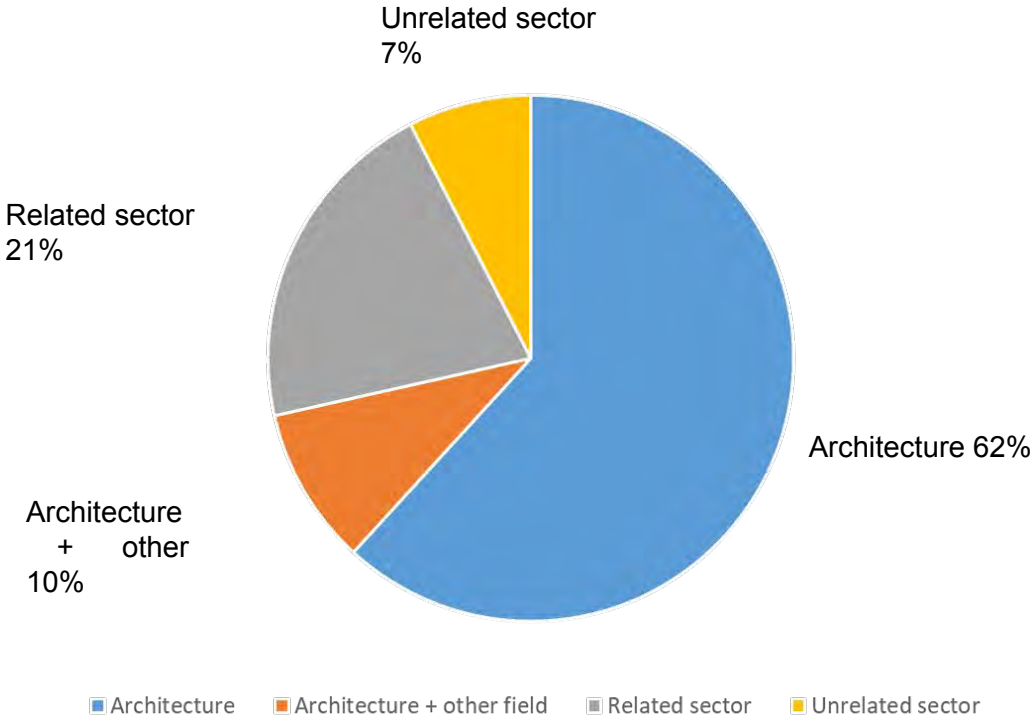
Johan De Walsche, *University of Antwerp*

FIELD OF OCCUPATION

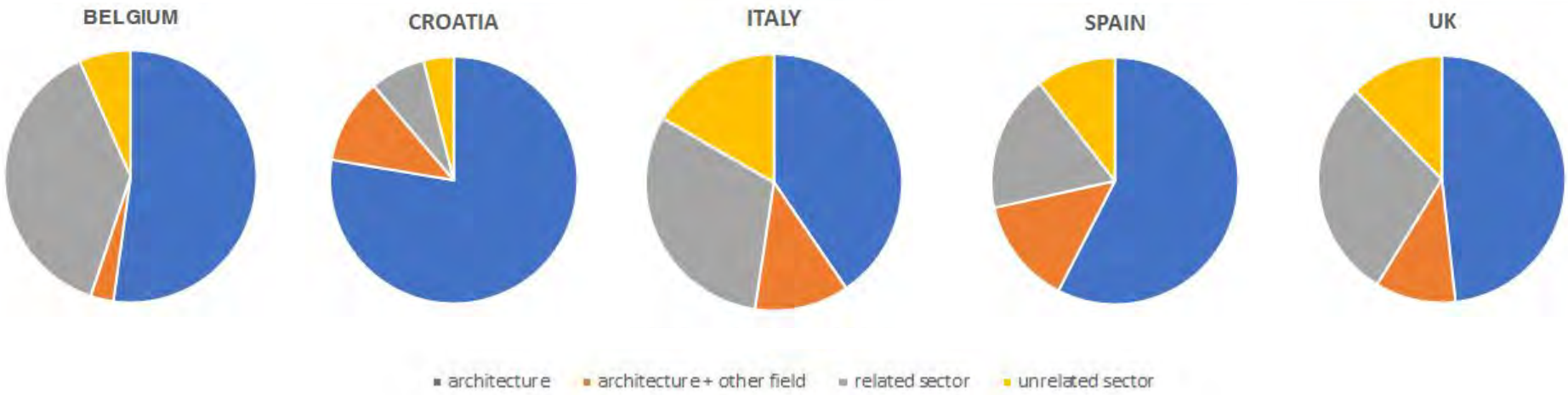
72% of those with a paid profession is currently working as an architect

(62% in architecture only, 10% in combination with another field)

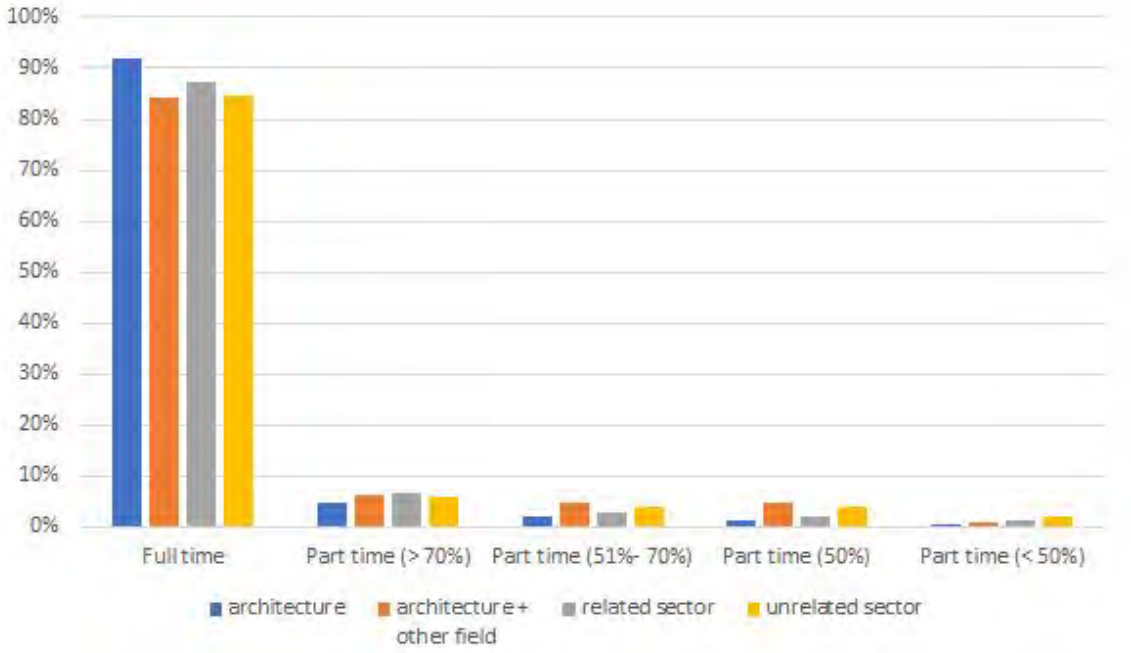
> note that there are no gender differences



FIELD OF OCCUPATION
comparison by country (partners)

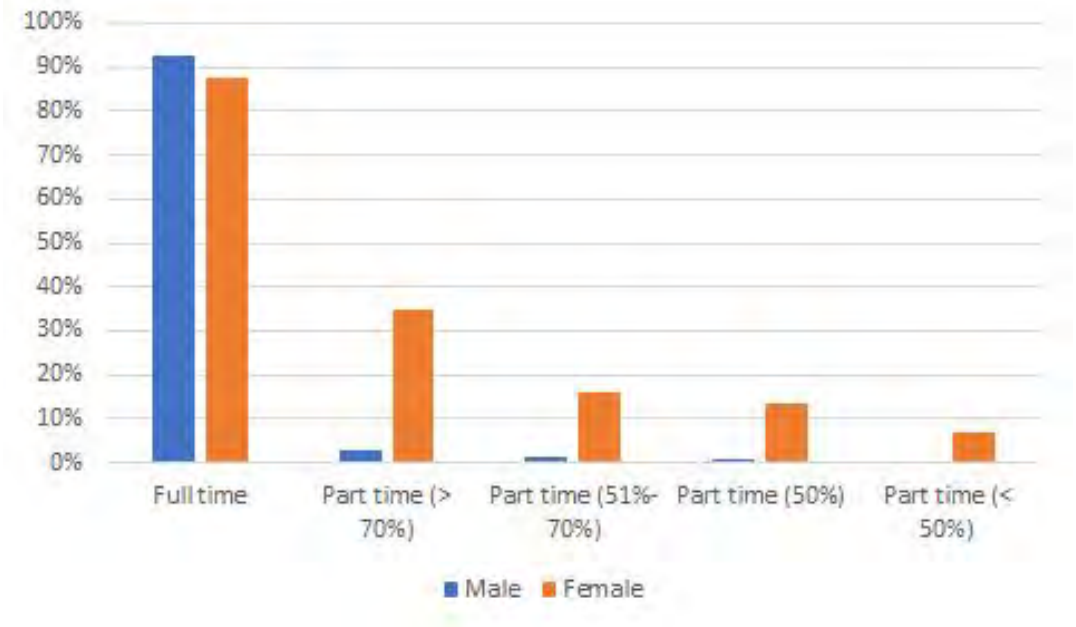


work **full time** or **part time**?

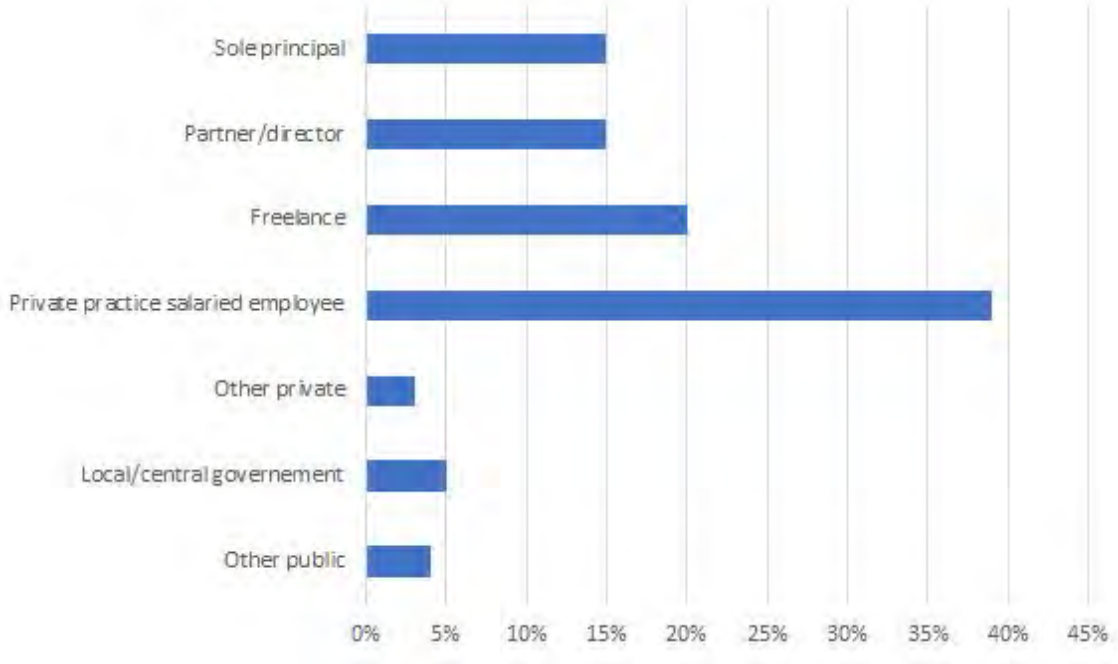


work **full time** or **part time**?

*variation **by gender**: women working more frequently part-time*

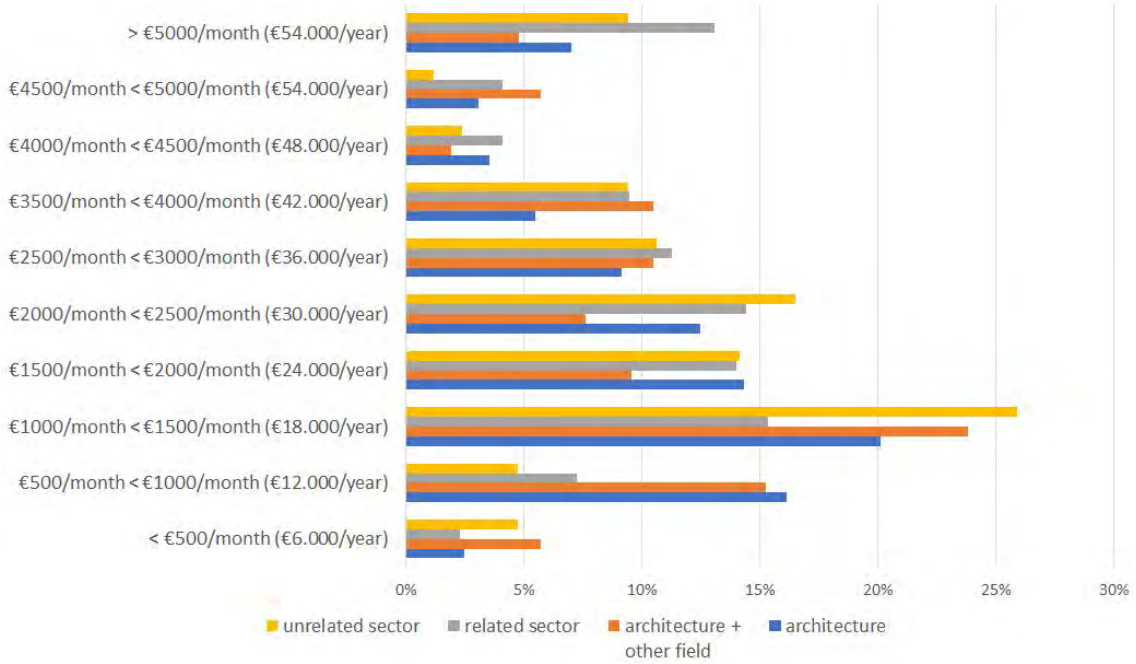


Work situation
(participants working only in architecture)



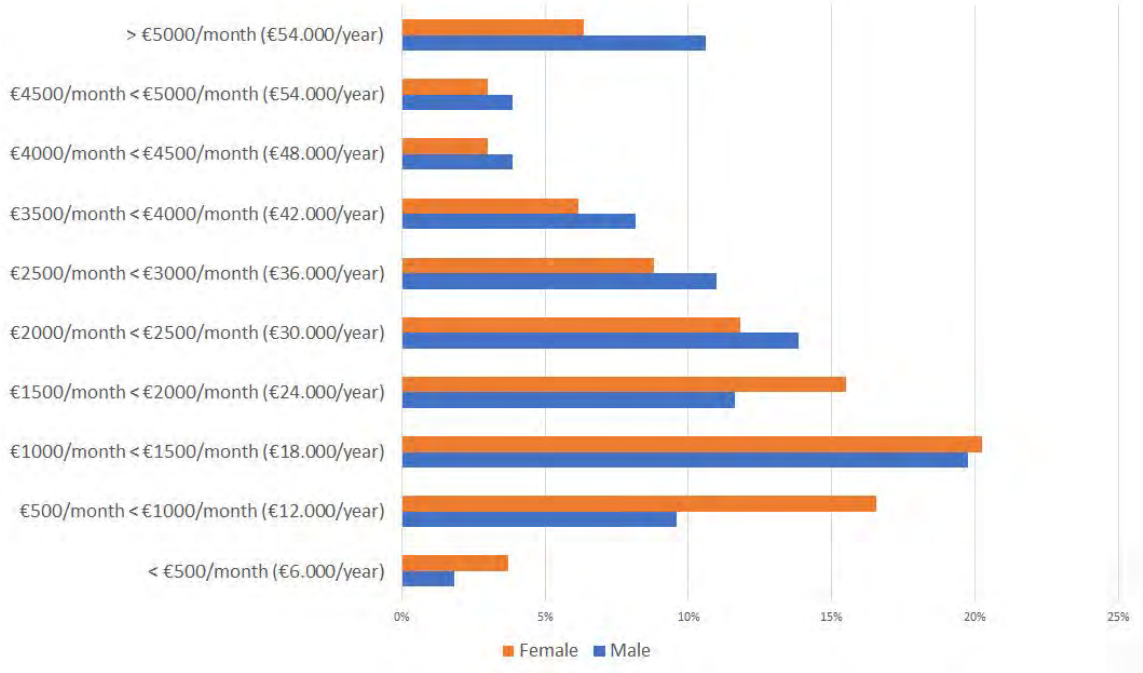
Net income (in euros per month or per year)

People who work in related sectors earn the most. The lowest income is for the people who combine architecture with another job.



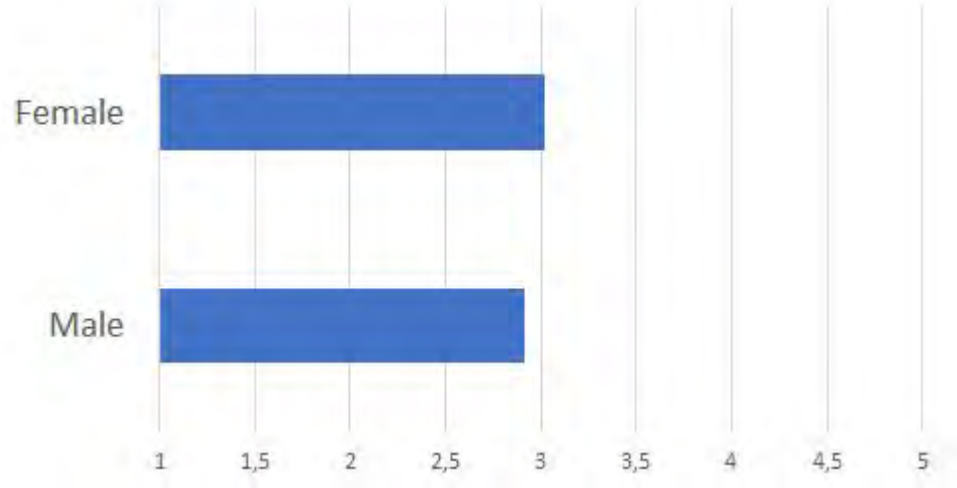
Net income (in euros per month or per year)

Gender effects: Women earn less than men.



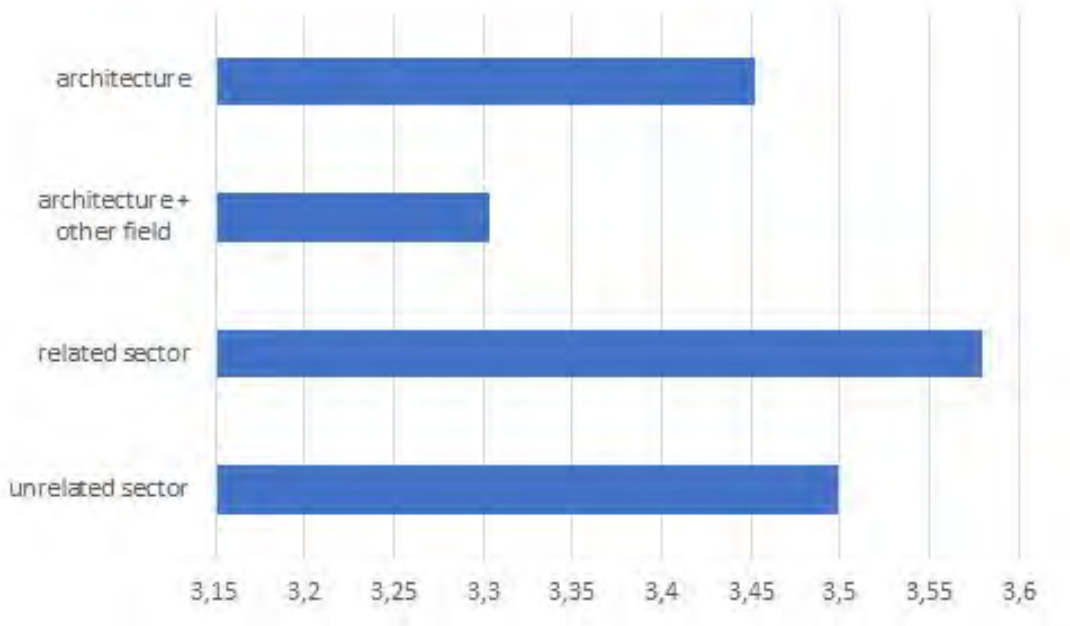
Work-Life conflict

Approximately in the middle of the work-life balance spectrum (1 to 5)
Men and women report equally low or high work-life conflict. Also, marital status and the presence of children did not affect work-life conflict.



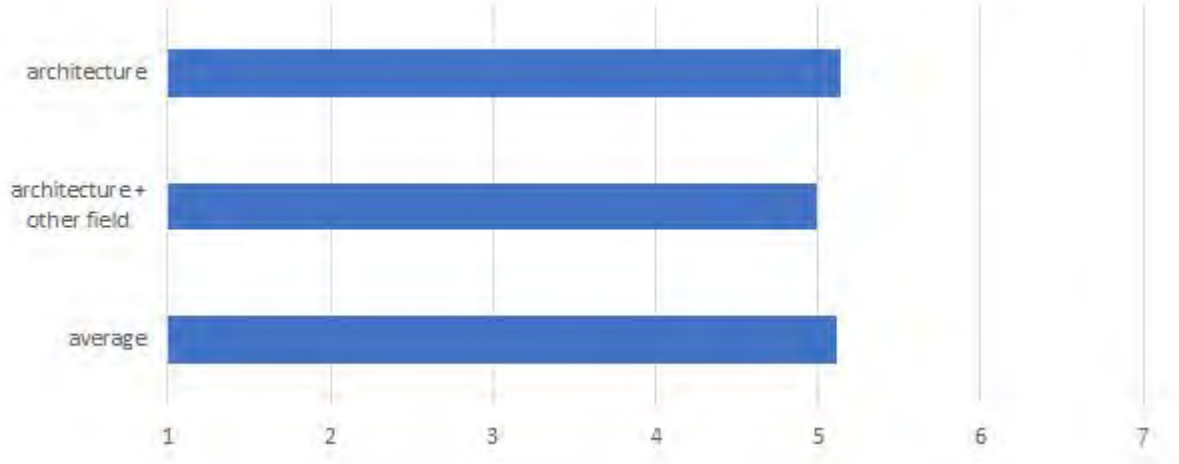
Life satisfaction

People who are working in a related sector (flow 3) seem to be the happiest with their lives. People who are combining architecture with other sectors (flow 2) report the lowest life satisfaction architecture



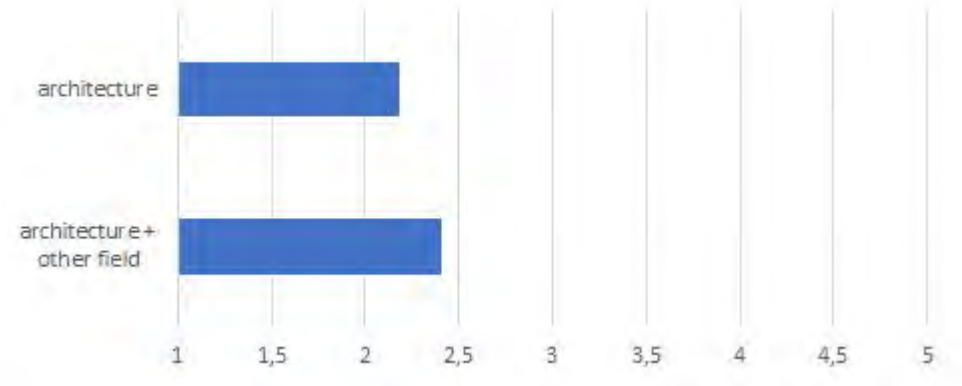
Perceived success

The average perceived success was quite high.
There is no difference in perceived success between people working solely as an architect (flow 1) and people combining architecture with another sector (flow 2)

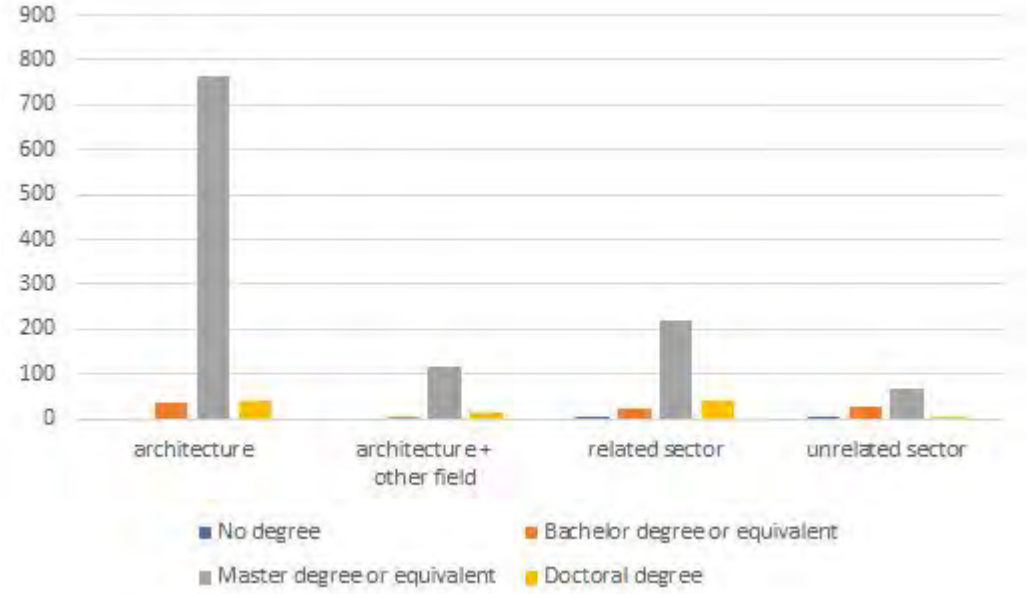


Turnover intentions

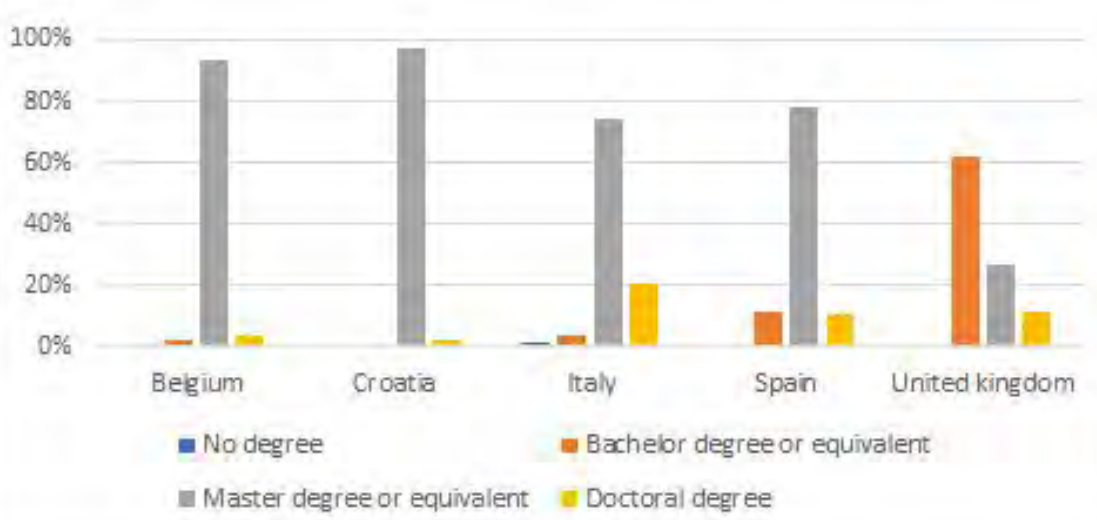
Turnover intentions were rather low.
Turnover intentions were higher for people who combined architecture with another sector (flow 2)



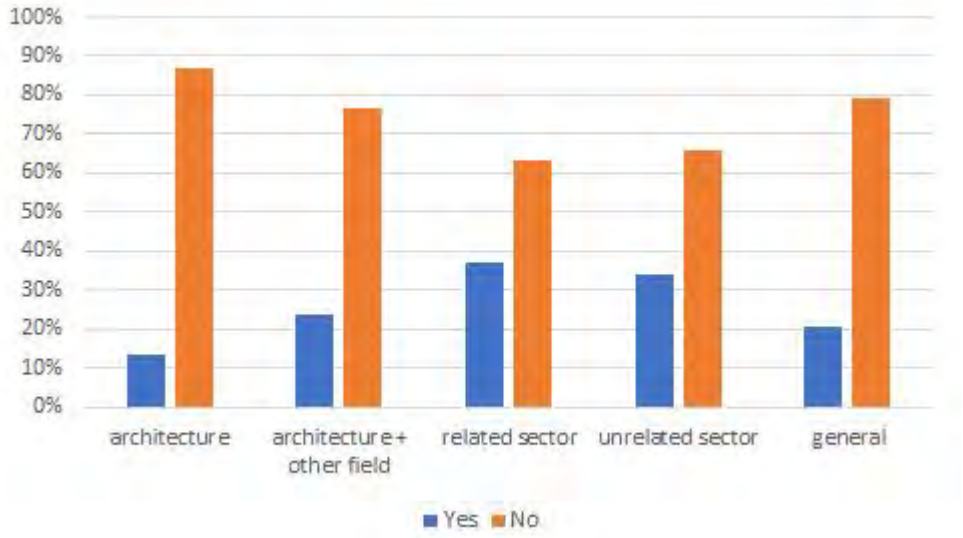
What was the **highest degree** that you achieved in architectural education?



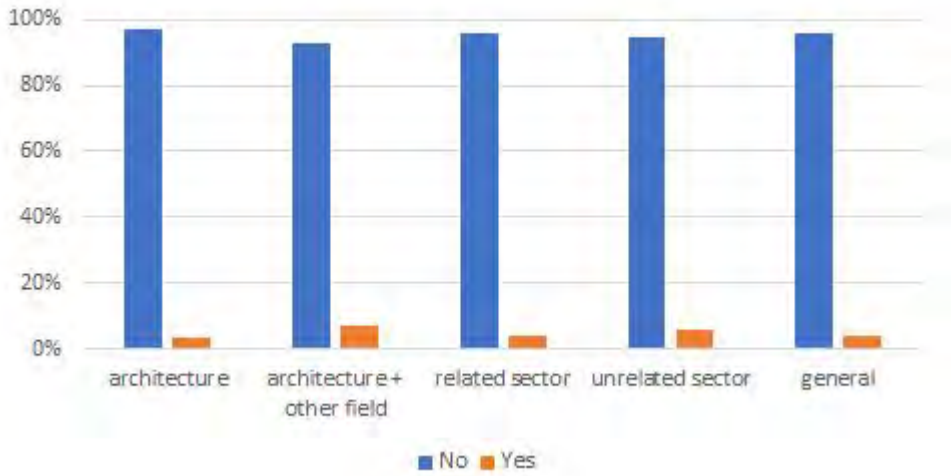
What was the **highest degree** that you achieved in **architectural education**? Also, this distribution varies across countries (depending on regulation)



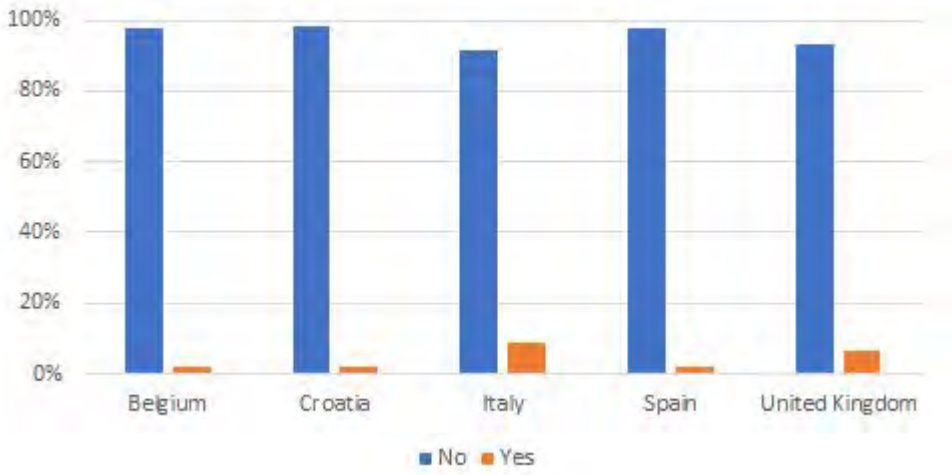
Besides architecture, have you completed **other studies** in higher education?



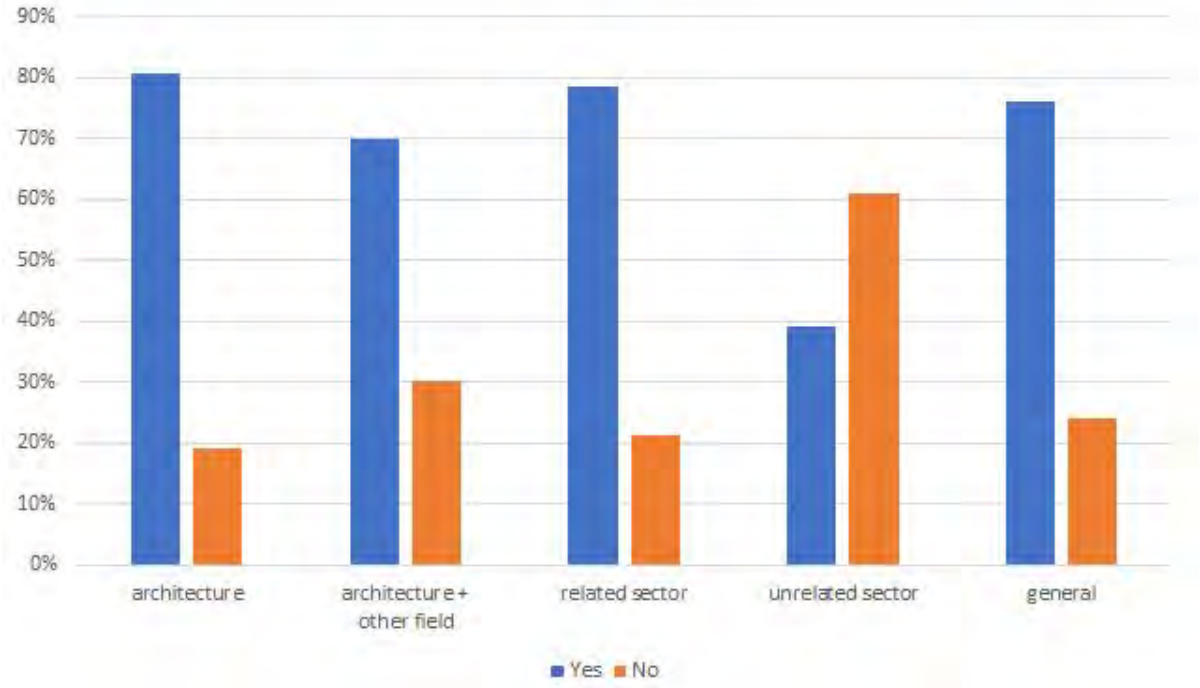
Mobility during studies?



Mobility during studies?
*no significative variation across **countries** (partners)*

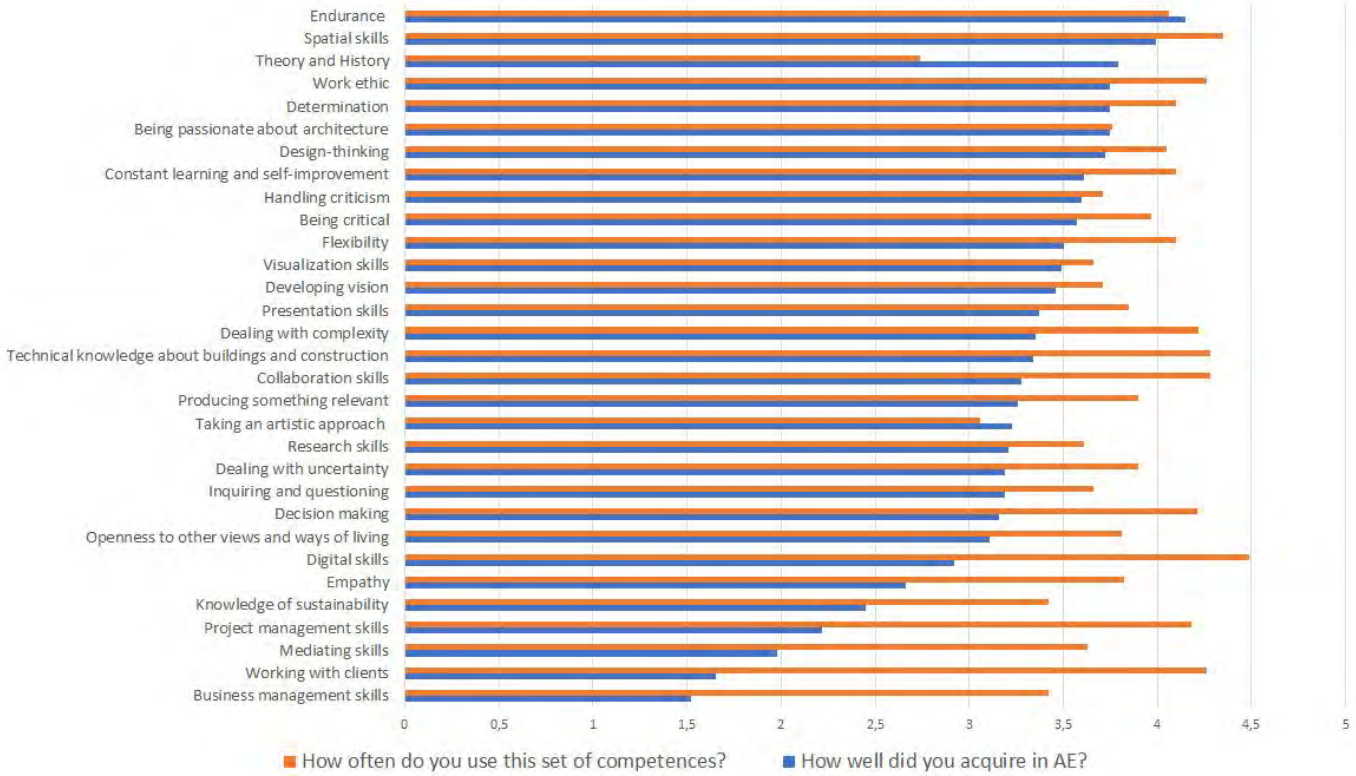


If you could choose again, would you **again opt** for architecture studies?



Competences (participants working only in architecture)

*How well did you **acquire** in AE? vs How often do you **use** this set of competences?*



Competences (participants working only in architecture): M

*How well did you **acquire** in AE? vs How often do you **use** this set of competences?*

Bigger mismatches