

**Eventi online per una scelta consapevole / Online events for a conscious choice**

<https://didattica.polito.it/VClass/ArchitetturaArchitectureSaloneOFF>

■ ■ **06.05.24\_h16.00-18.00\_Architettura: offerta formativa e vita da studente**

Ursula Zich e studenti tutor POT

■ ■ **03.06.24\_h16.00-18.00\_TIL & Apply**

Ursula Zich e STUDI

# SALONE OFF

🇬🇧 **13.05.24\_h13.00-15.00\_Architecture: Study Plan and Student life**

Ursula Zich & tutor POT

🇬🇧 **10.06.24\_h13.00-15.00\_TIL & Apply**

Elena Guidetti + STUDI

**SALONE DELL'ORIENTAMENTO 2025**

**#TOMORROW STARTS TODAY**

**CORSO DI LAUREA**

# **ARCHITETTURA**

*ARCHITECTURE*



**Politecnico  
di Torino**

**SCOPRI TUTTI I  
CORSI DI STUDIO  
A.A. 2025/26  
[www.polito.it](http://www.polito.it)**



# Programma/Program

## **Cosa studierò? / What will I study?**

Organizzazione del corso di Laurea: Propedeuticità, semestri tematici, filiere /  
/ Organization of the undergraduate course: propedeuticities, thematic semesters, strands

## **Come Studierò? / How will I study?**

Il Portale della didattica: Guida dello studente, schede insegnamento / The Education Portal: student guide, teaching sheets  
Il piano di studi e Il sistema dei crediti / The curriculum and The credit system  
TeleArchitettura + Youtube

## **Chi mi aiuterà? / Who can help me?**

Tutoraggi e collaborazioni / Tutoring and collaborations  
Buddy program

## **E quando sono stufo di studiare? / What about when I'm sick of studying?**

Life @polito  
Polito Sports

## Scheda del corso

### ● TIPO DI CORSO:

Laurea

### ● ANNO ACCADEMICO:

2025/2026

### ● LINGUA:

Italiana, Inglese

### ● ACCESSO:

Numero programmato con prova di ammissione

### ● REFERENTE:

[BAROSIO MICHELA](#)

### ● CLASSE:

L-17 R: SCIENZE  
DELL'ARCHITETTURA

### ● DIPARTIMENTO:

[Dipartimento di Architettura e Design](#)

### ● COLLEGIO:

[Collegio di Architettura e Design](#)

### ● CAMPUS:

Castello del Valentino

*Architettura come passione per il progetto, desiderio di trasformare l'ambiente per migliorare la qualità della vita.*

*Diventerai architetto junior, figura professionale autonoma in grado di "progettare edifici civili semplici con l'uso di metodologie standardizzate" e "di effettuare rilievi diretti e strumentali sull'edilizia attuale e storica", nonché di collaborare al processo progettuale di architettura alle diverse scale, dall'ideazione alla realizzazione, alla gestione, con capacità di analisi e di elaborazione critica, in studi professionali di progettazione, nel campo della pubblica amministrazione, in società di ingegneria e architettura, industrie di settore e imprese di costruzione.*

## Key information

### ● DEGREE:

Bachelor's degree

### ● ACADEMIC YEAR:

2025/2026

### ● LANGUAGE:

Italian, English

### ● ADMISSIONS:

Capped number of students, mandatory admission test

### ● ACADEMIC ADVISOR:

[BAROSIO MICHELA](#)

### ● DEGREE CODE:

L-17 R: ARCHITECTURE

### ● DEPARTMENT:

[Department of Architecture and Design](#)

### ● COLLEGIO:

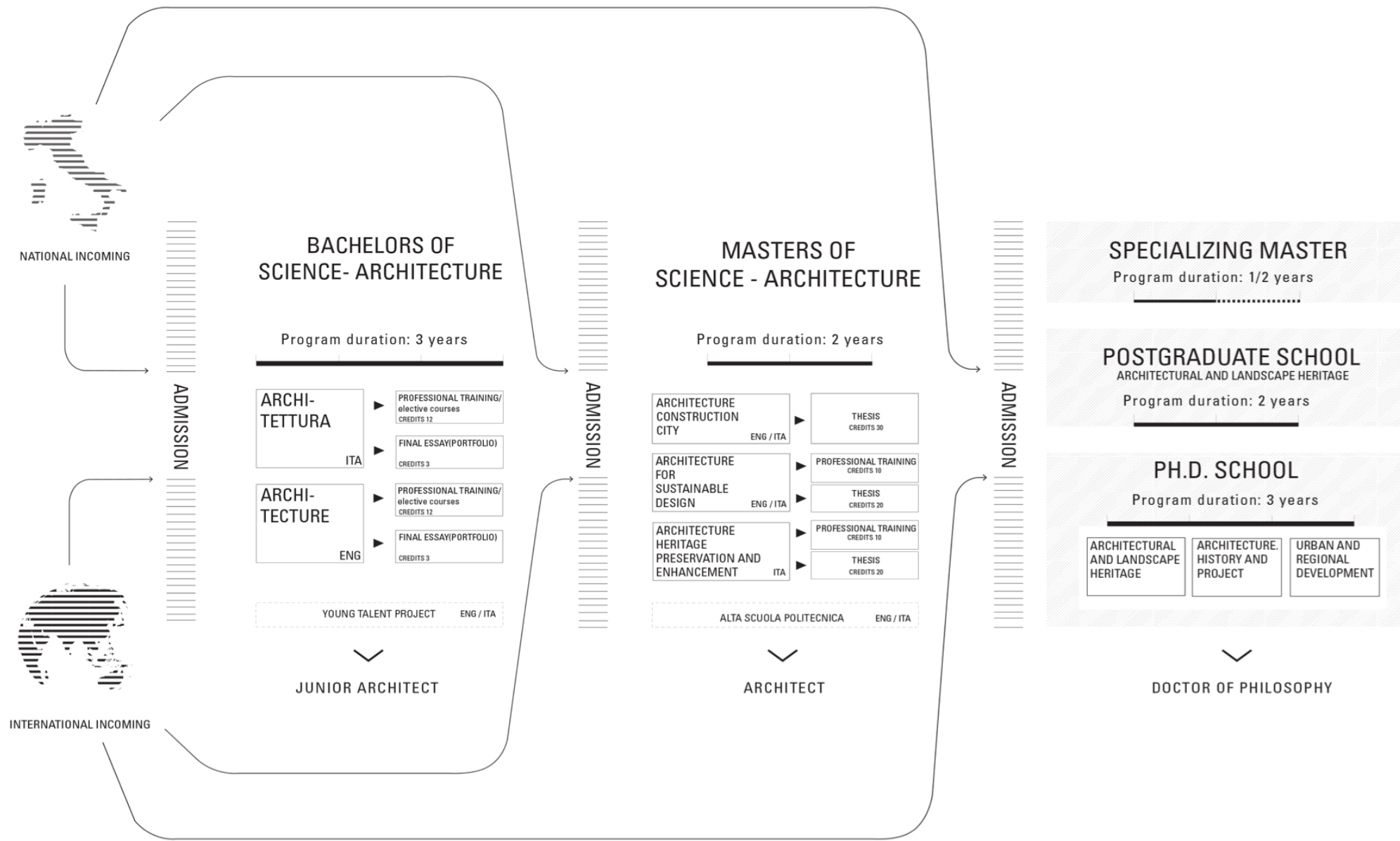
[Collegio di Architettura e Design](#)

### ● CAMPUS:

Castello del Valentino

*Architecture as the passion for planning, the desire to transform the environment in order to improve quality of life.*

*You will become a junior architect who can design simple civic buildings with the use of standardised methodologies and perform direct and instrumental surveys of modern and historical buildings. You will also be able to collaborate in the architectural design process on different scales, from conception to creation, to management, with critical analysis and processing skills, in professional design studios, in the public administration sector, in engineering and architecture businesses, sector companies, and construction firms.*



# Obiettivi del Corso di Laurea / Degree Course Objectives

## Focus

Centralità **progetto** di architettura attraverso una formazione multi-disciplinare /  
Centrality architecture project through multi-disciplinary education /

## Metodo / Method

Educazione graduale alla **complessità** / Gradual education in complexity

## Obiettivi / Goals

Capacità di **lettura** e sviluppo di pensiero critico / **Reading skills** and development of critical thinking  
Capacità di **mettere a sistema** competenze / Ability to **systematize skills**  
Capacità di **comunicazione** (grafica, testuale, multimediale) / **Communication skills** (graphic, textual, multimedia)

## Esito / Outcome

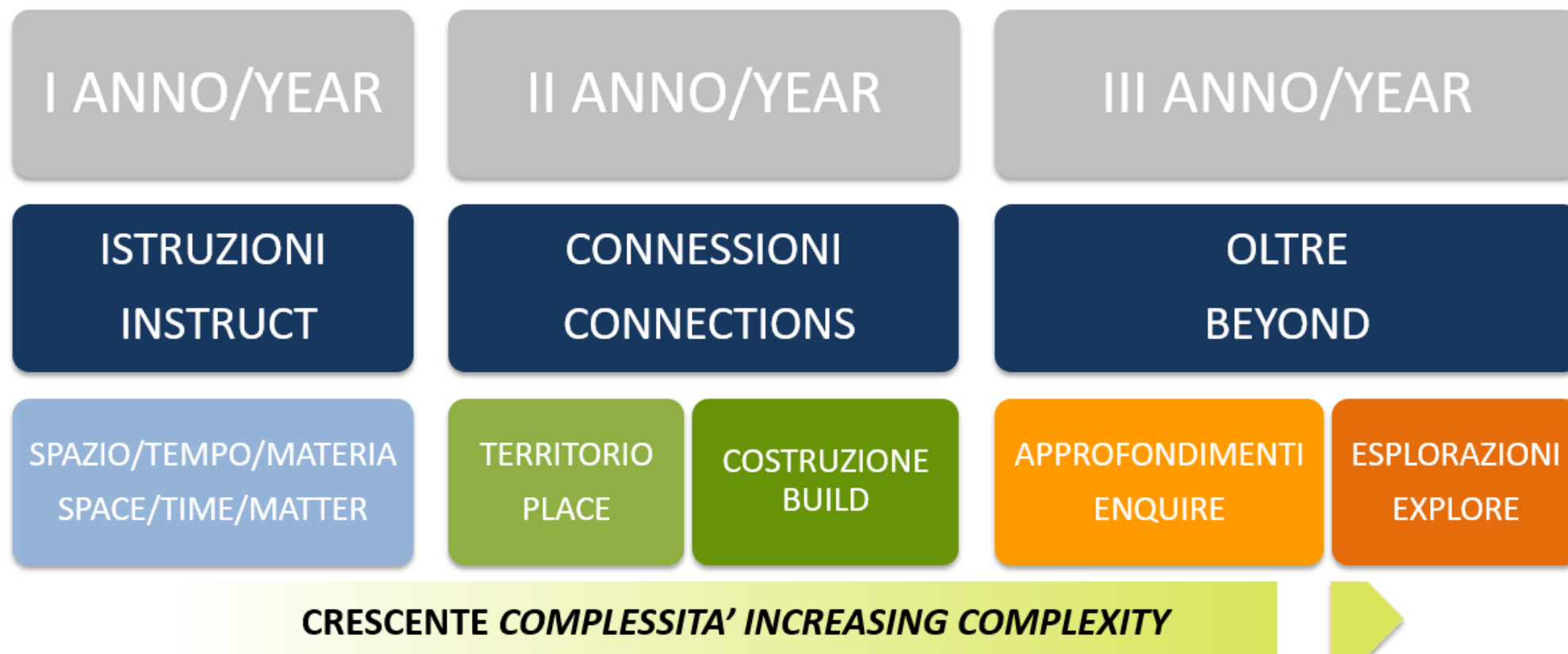
Formazione di base, accesso consapevole a **percorso magistrale** nazionale/internazionale, aperto anche verso ambiti affini / Basic education, informed access to national/**international master's degree** pathway, also open to related fields

**Acquisire le conoscenze di base / Acquire basic knowledge**

**Sviluppare lo spirito critico / Develop critical spirit**

**Acquisire il metodo di studio universitario, in autonomia / Acquire the method of university study, independently**

**Imparare a lavorare in gruppo / Learning to work in groups**



# Come Studierò? / How will I study?

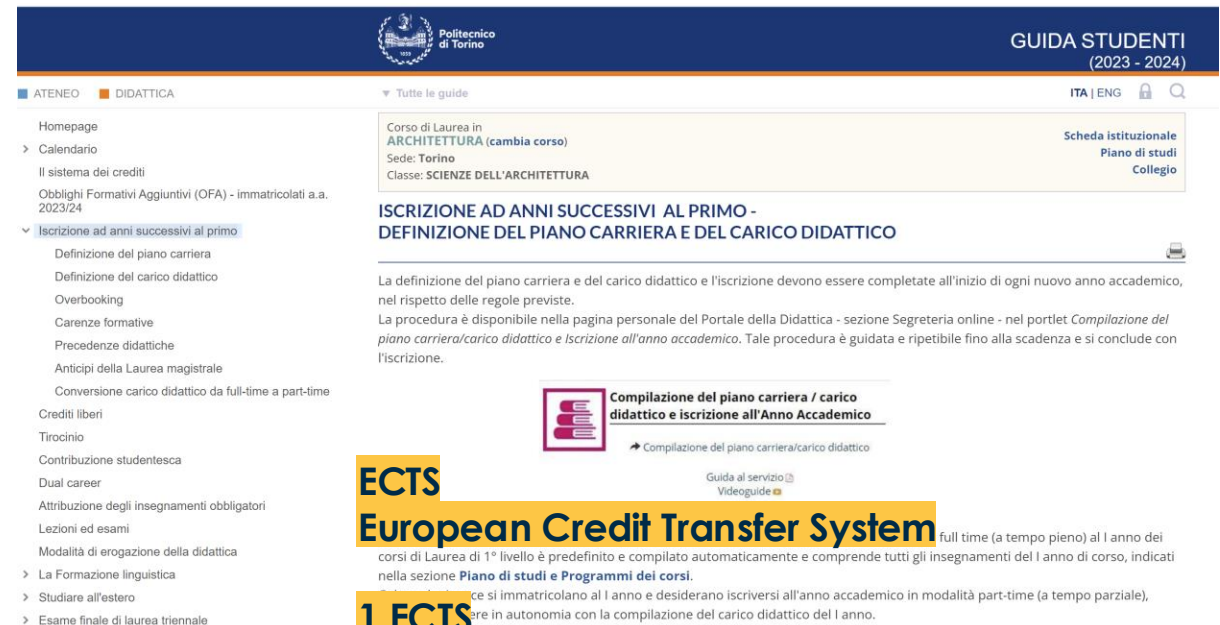
Il Portale della didattica: Guida dello studente, schede insegnamento / The Education Portal: student guide, teaching sheets

**Il piano di studi e Il sistema dei crediti / The curriculum and The credit system**

TeleArchitecture + youtube

I **crediti formativi universitari (CFU)** misurano la quantità di lavoro di apprendimento, compreso lo studio individuale, richiesto allo studente per acquisire conoscenze e abilità nelle attività formative previste dai corsi di studio. Per conseguire la **Laurea** di primo livello è necessario conseguire **180 CFU** comprensivi di prova finale, esame di lingua ed eventuale tirocinio.

**Undergraduate credits (CFUs)** measure the amount of learning work, including individual study, required of the student to acquire knowledge and skills in the educational activities covered by the courses of study. To earn a Bachelor's degree, **180 CFUs**, including a final exam, language exam, and possible internship, are necessary.



## ECTS

### European Credit Transfer System

full time (a tempo pieno) al I anno dei corsi di Laurea di 1° livello è predefinito e compilato automaticamente e comprende tutti gli insegnamenti del I anno di corso, indicati nella sezione **Piano di studi e Programmi dei corsi**.

se si immatricolano al I anno e desiderano iscriversi all'anno accademico in modalità part-time (a tempo parziale), sono in autonomia con la compilazione del carico didattico del I anno.

## 1 ECTS

**= 25 ore di lavoro studente /hours student**

**= 10 ore di lavoro in aula / work in class**

**+ 15 ore di lavoro autonomo / autonomous work**

[https://didattica.polito.it/guida/2023/it/iscrizione\\_anni\\_successivi?cds=1&sdu=80](https://didattica.polito.it/guida/2023/it/iscrizione_anni_successivi?cds=1&sdu=80)



# Cosa c'è nella scheda insegnamento? / What's in the teaching tab?

**Organizzazione dell'insegnamento / Teaching organization**

**Presentazione del corso / Course presentation**

**Risultati attesi / Expected outcomes**

**Prerequisiti / Prerequisites**

**Programma / Program**

**Bibliografia / Bibliography**

**Criteri regole procedure per l'esame / Criteria rules procedures for examination**

**How to apply?**

**TIL – A  
2025-2026**

## How to apply?

<https://www.mur.gov.it/sites/default/files/2025-05/Decreto%20Ministeriale%20n.%20395%20Allegato%20A.pdf>

## TIL – A 2025-2026

### Decreto Ministeriale n. 395 del 12-05-2025

Definizione modalità e contenuti delle prove di ammissione al corso di laurea e laurea magistrale a ciclo unico direttamente finalizzato alla formazione di Architetto (lingua italiana e lingua inglese) a.a. 2025/2026

N° Atto 395

Pubblicato il 13/05/2025 - 10:39

Data di protocollo 12/05/2025 - 18:00

# TIL – A 2025-2026

**a.a. 2024/2025**

**Open positions: 500 spots available**

- of which 85 are reserved for non-EU students
- and, among the 415 for EU students, up to 40 are offered in English

**Admission test:**

- In person, on 23.07.24 for EU and equivalent applicants
- Online, on 25.07.24 for non-EU applicants residing abroad and requiring a visa

**Test language:** Italian or English, based on the applicant's choice indicated during registration, including the preferred language for the degree program

**The test is independently managed by the Politecnico di Torino in compliance with the Ministerial Decree guidelines.**

## ... Over 2000 attendees!!!

**Ranking list:** rolling admission, no minimum score required; an additional date will be scheduled only if there are vacant spots.

## How the admission test is organized:

**Duration**

**100 minutes**

**Questions**

**50**

**5 SECTIONS**

**10 questions per each section**

**20 minutes for each section**

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- **10 questions** per section
- **20 minutes** for each section

**Verbal Comprehension**

10 questions / 20 minutes

**Knowledge acquired during studies,**

**History and General Culture**

10 questions / 20 minutes

**Logical Reasoning**

10 questions / 20 minutes

**Drawing and Representation**

10 questions / 20 minutes

**Physics and Mathematics**

10 questions / 20 minutes

## How the admission test is organized:

**Duration**

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**50**

### **5 SECTIONS**

- **10 questions** per section
- **20 minutes** for each section

**Materials:**

**Webinars**

**Video lessons**

**Practice tests**

**Past tests available online**

### **Verbal Comprehension**

10 questions / 20 minutes

### **Knowledge acquired during studies,**

### **History and General Culture**

10 questions / 20 minutes

### **Logical Reasoning**

10 questions / 20 minutes

### **Drawing and Representation**

10 questions / 20 minutes

### **Physics and Mathematics**

10 questions / 20 minutes



## Past tests available online

100 minuti

*Fino al 2021*

50

### **Cultura generale**

8 domande /15 minuti

### **Ragionamento logico**

6 domande /10 minuti

### **Storia –Storia dell'arte**

12 domande /20 minuti

### **Disegno-Rappresentazione**

6 domande /10 minuti

### **Matematica e Fisica**

8 domande /15 minuti

### **Comprensione verbale**

10 domande /20 minuti

### **Conoscenze acquisite negli studi, storia e cultura generale**

10 domande /20 minuti

### **Ragionamento logico**

10 domande /20 minuti

### **Disegno-Rappresentazione**

10 domande /20 minuti

### **Fisica e Matematica**

10 domande /20 minuti



## How the admission test is organized:

**Duration**

**100 minutes**

**Questions**

**50**

### **5 SECTIONS**

- **10 questions** per section
- **20 minutes** for each section

**Materials:**



**Webinars**

**Video lessons**

**Practice tests**

**Past tests available online**

### **Verbal Comprehension**

10 questions / 20 minutes

### **Knowledge acquired during studies,**

### **History and General Culture**

10 questions / 20 minutes

### **Logical Reasoning**

10 questions / 20 minutes

### **Drawing and Representation**

10 questions / 20 minutes

### **Physics and Mathematics**

10 questions / 20 minutes

# Tips for the Placement Test

**Admission rules for the Bachelor's Degree Programme in Architettura-Architecture for a.y. 2025/26 is defined based on the guidelines that will be given by the Ministerial Decree to be published by the MUR in the coming months.**

Below there is some information for the a.y. 2023/24, for which the test was organized locally following ministerial guidelines. Test type and access rules for a.y. 2024/25 have been confirmed by the MUR at national level.

**How to prepare for the Placement Test :  
getting ready for the Architettura/Architecture entry Test**

## How the admission test is organized

The test lasts **100 minutes** and fewer questions than in the past.

The **50 questions** are divided:

Reading comprehension(10)

Prior school knowledge, History and General Knowledge (10)

Logic reasoning (10)

Drawing -Representation (10)

Mathematics and Physics (10)

Each question had 5 possible answers (identified with A,B,C,D,E), only one of which was correct. The score was based on the following criteria:

**1 point** for each correct answer

**A penalty of 0,25 points (-0,25)** for each incorrect answer

**0 points** for each unanswered question

How to prepare for the Placement Test :

getting ready for the Architettura/Architecture entry Test

## **Reading comprehension(10)**

**Prior school knowledge, History and General Knowledge (10)**

**Logic reasoning (10)**

**Drawing -Representation (10)**

**Mathematics and Physics (10)**

**The questions relate to scientific or narrative texts by classic or contemporary authors, or to current affairs texts appearing in newspapers or general or specialist magazines**

**5 questions for each text and 5 possible answers for each question**

**How to prepare for the Placement Test :  
getting ready for the Architettura/Architecture entry Test**

**Reading comprehension(10)**

**Prior school knowledge, History and General Knowledge (10)**

**Logic reasoning (10)**

**Drawing -Representation (10)**

**Mathematics and Physics (10)**

**23. Who designed the Royal Palace of Caserta?**

- A) Luigi Vanvitelli
- B) Ferdinando Fuga
- C) Alessandro Galilei
- D) Filippo Raguzzini
- E) Giuseppe Piermarini

**How to prepare for the Placement Test :  
getting ready for the Architettura/Architecture entry Test**

**Reading comprehension(10)**

**Prior school knowledge, History and General Knowledge (10)**

**Logic reasoning (10)**

**Drawing -Representation (10)**

**Mathematics and Physics (10)**

**24. In which year took place the atomic bombardment of Hiroshima and Nagasaki?**

- A) 1945
- B) 1940
- C) 1947
- D) 1943
- E) 1948

**How to prepare for the Placement Test :  
getting ready for the Architettura/Architecture entry Test**



**Reading comprehension(10)**

**Prior school knowledge, History and General Knowledge (10)**

**Logic reasoning (10)**

**Drawing -Representation (10)**

**Mathematics and Physics (10)**

**25. Between June and November 1942, near the Egyptian town of El Alamein, British forces under the command of General Montgomery fought against:**

- A) Italian and German forces under the command of Field Marshall E.J. Rommel
- B) Italian forces under the command of Benito Mussolini
- C) Russian forces under the command of Stalin
- D) French forces under the command of General Charles de Gaulle
- E) Spanish forces under the command of Francisco Franco

**How to prepare for the Placement Test :  
getting ready for the Architettura/Architecture entry Test**

**Reading comprehension(10)**

**Prior school knowledge, History and General Knowledge (10)**

**Logic reasoning (10)**

**Drawing -Representation (10)**

**Mathematics and Physics (10)**

**26. In which of the following time periods was the People's Republic of China established?**

A) 1945 – 1955

B) 1956 – 1968

C) 1915 – 1922

D) 1923 – 1933

E) 1934 – 1944

**How to prepare for the Placement Test :  
getting ready for the Architettura/Architecture entry Test**

**Reading comprehension(10)**

**Prior school knowledge, History and General Knowledge (10)**

**Logic reasoning (10)**

**Drawing -Representation (10)**

**Mathematics and Physics (10)**

**27. On 31<sup>st</sup> March 2016, an internationally renowned figure in architecture and design died who, in Italy, created a number of works such as the “MAXXI – National Museum of the Arts of the 21<sup>st</sup> Century” in Rome and the so-called “Crooked” skyscraper of Milan. Who was it?**

- A) Zaha Hadid
- B) Massimiliano Fuksas
- C) Frank O. Gehry
- D) Denise Scott Brown
- E) Kazuyo Sejima

**How to prepare for the Placement Test :  
getting ready for the Architettura/Architecture entry Test**

**Reading comprehension(10)**

**Prior school knowledge, History and General Knowledge (10)**

**Logic reasoning (10)**

**Drawing -Representation (10)**

**Mathematics and Physics (10)**

**28. Which of the following historical events does NOT relate to the period of Italian unification?**

- A) The signing of the Treaty of Campoformio
- B) The first war of independence
- C) The second war of independence
- D) The Expedition of the Thousand
- E) The Plombières Agreements

**How to prepare for the Placement Test :  
getting ready for the Architettura/Architecture entry Test**

Reading comprehension(10)

Prior school knowledge, History and General Knowledge (10)

Logic reasoning (10)

Drawing -Representation (10)

Mathematics and Physics (10)

29. What is the name of the work in the figure and who is the artist?



- A) "Pietà Rondanini" by Michelangelo Buonarroti
- B) "Pietà Vaticana" by Michelangelo Buonarroti
- C) "Pietà" by Donatello
- D) "Pietà di Palestrina" by Michelangelo Buonarroti
- E) "Pietà" by Antonello Gagini

Reading comprehension(10)

Prior school knowledge, History and General Knowledge (10)

Logic reasoning (10)

Drawing -Representation (10)

Mathematics and Physics (10)

30. What is the name of the work in the figure and who is the artist?



- A) "Paolina Borghese" by Antonio Canova
- B) "Hebe" by Antonio Canova
- C) "Truth Unveiled by Time" by Gian Lorenzo Bernini
- D) Venus de' Medici
- E) "Naiade" by Antonio Canova

How to prepare for the Placement Test :  
getting ready for the Architettura/Architecture entry Test



Reading comprehension(10)

Prior school knowledge, History and General Knowledge (10)

Logic reasoning (10)

Drawing -Representation (10)

Mathematics and Physics (10)

31. Who is the artist of the work in the figure?



- A) Gian Lorenzo Bernini
- B) Michelangelo Buonarroti
- C) Antonio Canova
- D) Donatello
- E) Alessandro Algardi

How to prepare for the Placement Test :  
getting ready for the Architettura/Architecture entry Test

Reading comprehension(10)

Prior school knowledge, History and General Knowledge (10)

Logic reasoning (10)

Drawing -Representation (10)

Mathematics and Physics (10)

32. Indicate the artist and the name of the work in the figure.



- A) "The Calling of St Matthew" – Caravaggio
- B) "The Cardsharps" – Caravaggio
- C) "Girl Interrupted at Her Music" – Jan Vermeer
- D) "The Triumph of Bacchus (The Drinkers)" – Diego Velázquez
- E) "Supper at Emmaus" – Caravaggio

How to prepare for the Placement Test :  
getting ready for the Architettura/Architecture entry Test



**Reading comprehension(10)**

**Prior school knowledge, History and General Knowledge (10)**

**Logic reasoning (10)**

**Drawing -Representation (10)**

**Mathematics and Physics (10)**

**33. To which period does the work in the figure belong?**



- A) Renaissance
- B) Mannerism
- C) Baroque
- D) Neoclassicism
- E) Gothic

**How to prepare for the Placement Test :  
getting ready for the Architettura/Architecture entry Test**

**Reading comprehension(10)**

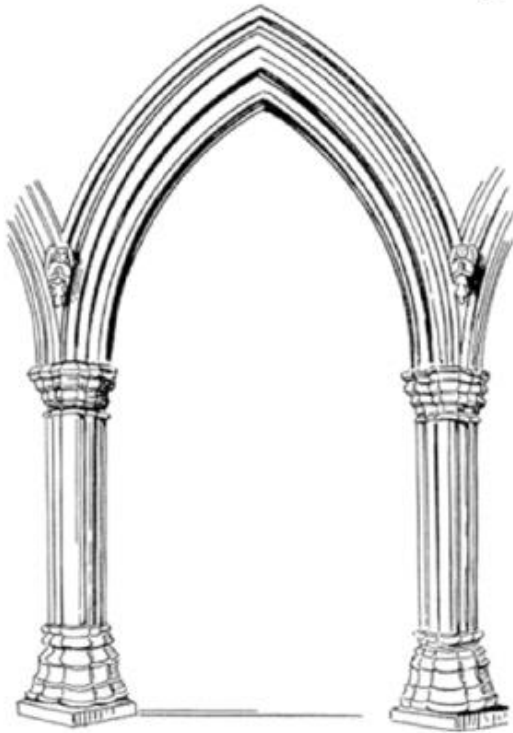
**Prior school knowledge, History and General Knowledge (10)**

**Logic reasoning (10)**

**Drawing -Representation (10)**

**Mathematics and Physics (10)**

34. Of which architectural style is the image in the figure representative?



- A) Gothic
- B) Romanesque
- C) Neoclassical
- D) Byzantine
- E) Baroque

**How to prepare for the Placement Test :  
getting ready for the Architettura/Architecture entry Test**

**Reading comprehension(10)**

**Prior school knowledge, History and General Knowledge (10)**

**Logic reasoning (10)**

**Drawing -Representation (10)**

**Mathematics and Physics (10)**

**1. What was the discount percentage if an object that cost 235 euros is sold for 47 euros?**

A) 80%

B) 160%

C) 188%

D) 94%

E) 120%

**How to prepare for the Placement Test :  
getting ready for the Architettura/Architecture entry Test**

**Reading comprehension(10)**  
**Prior school knowledge, History and General Knowledge (10)**  
**Logic reasoning (10)**  
**Drawing -Representation (10)**  
**Mathematics and Physics (10)**

**2. If:**

- all mathematicians are precise
- Matteo is keen on cooking
- everyone who is keen on cooking is precise

**Which of the following statement will certainly be true?**

- A) Matteo is precise
- B) Anyone who is keen on cooking cannot be a mathematician
- C) Matteo is a mathematician
- D) All mathematicians are keen on cooking
- E) All precise people are keen on cooking

**How to prepare for the Placement Test :**  
**getting ready for the Architettura/Architecture entry Test**

Reading comprehension(10)  
Prior school knowledge, History and General Knowledge (10)  
Logic reasoning (10)  
Drawing -Representation (10)  
Mathematics and Physics (10)

3. Correctly complete the following sequence, using the Italian alphabet:

R; 127; L; 140; D; 153; ?; ?

A) U; 166

B) V; 169

C) Z; 166

D) U; 160

E) U; 136

How to prepare for the Placement Test :  
getting ready for the Architettura/Architecture entry Test

**Reading comprehension(10)**

**Prior school knowledge, History and General Knowledge (10)**

**Logic reasoning (10)**

**Drawing -Representation (10)**

**Mathematics and Physics (10)**

**4. Which, among the terms given, correctly complete the following verbal proportion?**

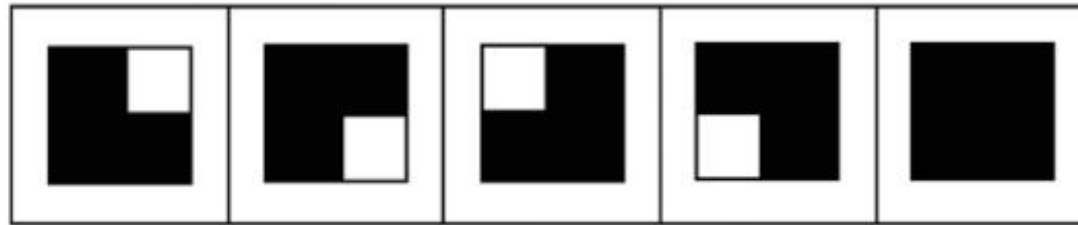
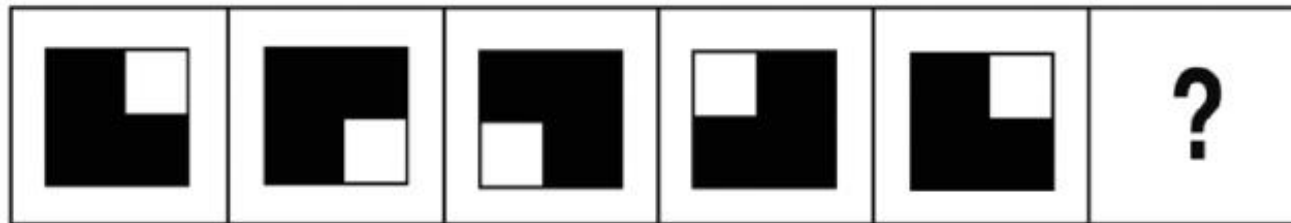
**Badminton : X = pasta twist : Y**

- A) X = sport      Y = pasta
- B) X = tennis      Y = pot
- C) X = shuttlecock      Y = meat sauce
- D) X = athlete      Y = a strand of spaghetti
- E) X = ball      Y = kitchen

**How to prepare for the Placement Test :  
getting ready for the Architettura/Architecture entry Test**

Reading comprehension(10)  
Prior school knowledge, History and General Knowledge (10)  
**Logic reasoning (10)**  
Drawing -Representation (10)  
Mathematics and Physics (10)

5. Find the figure that correctly completes the series.



1

2

3

4

5

- A) Figure 2
- B) Figure 3
- C) Figure 1
- D) Figure 4
- E) Figure 5

Reading comprehension(10)

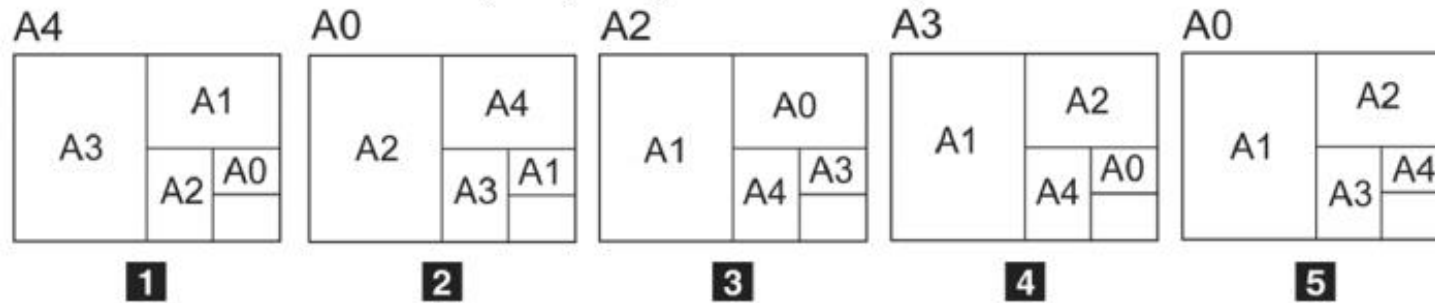
Prior school knowledge, History and General Knowledge (10)

Logic reasoning (10)

Drawing -Representation (10)

Mathematics and Physics (10)

39. Given the formats A0, A1, A2, A3 and A4, what is the correct ratio between their sizes?



- A) 5  
B) 1  
C) 3  
D) 4  
E) 2



Reading comprehension(10)

Prior school knowledge, History and General Knowledge (10)

Logic reasoning (10)

Drawing -Representation (10)

Mathematics and Physics (10)

6. In order to balance the system in the figure, it is necessary to move a token:



- A) from position 6 to position 2
- B) from position 6 to position 4
- C) from position 12 to position 9
- D) from position 12 to position 7
- E) none of other options is correct: the system is already balanced

Reading comprehension(10)

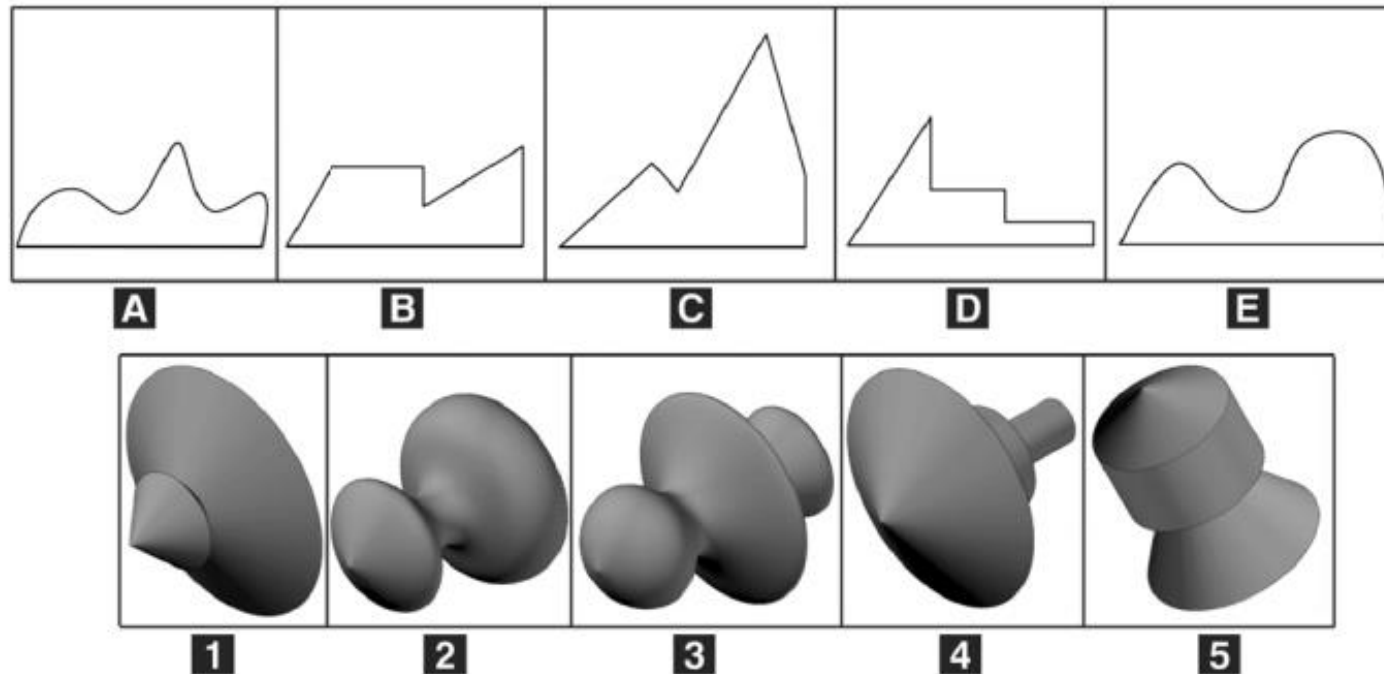
Prior school knowledge, History and General Knowledge (10)

Logic reasoning (10)

**Drawing -Representation (10)**

Mathematics and Physics (10)

42. Establish the correct correspondence with the solids of revolution and the planes represented in the figure.



- A) 1C, 2E, 3A, 4D, 5B
- B) 1A, 2B, 3D, 4E, 5C
- C) 1B, 2A, 3E, 4C, 5D
- D) 1E, 2B, 3C, 4D, 5A
- E) 1A, 2D, 3E, 4C, 5B

How to prepare for the Placement Test :  
getting ready for the Architettura/Architecture entry Test

Reading comprehension(10)

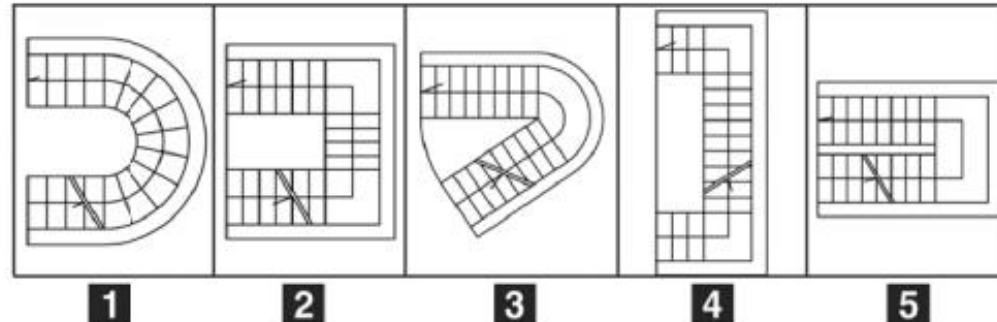
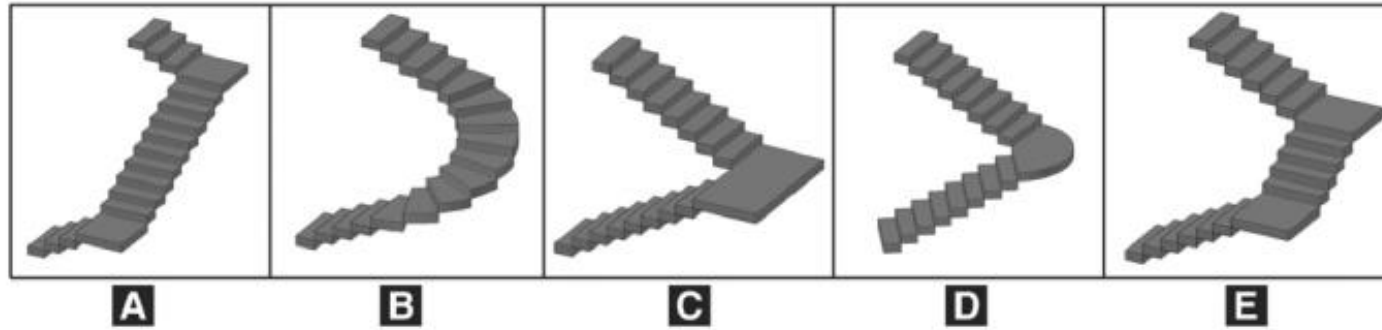
Prior school knowledge, History and General Knowledge (10)

Logic reasoning (10)

**Drawing -Representation (10)**

Mathematics and Physics (10)

43. Match the correct 3D model with each plan.

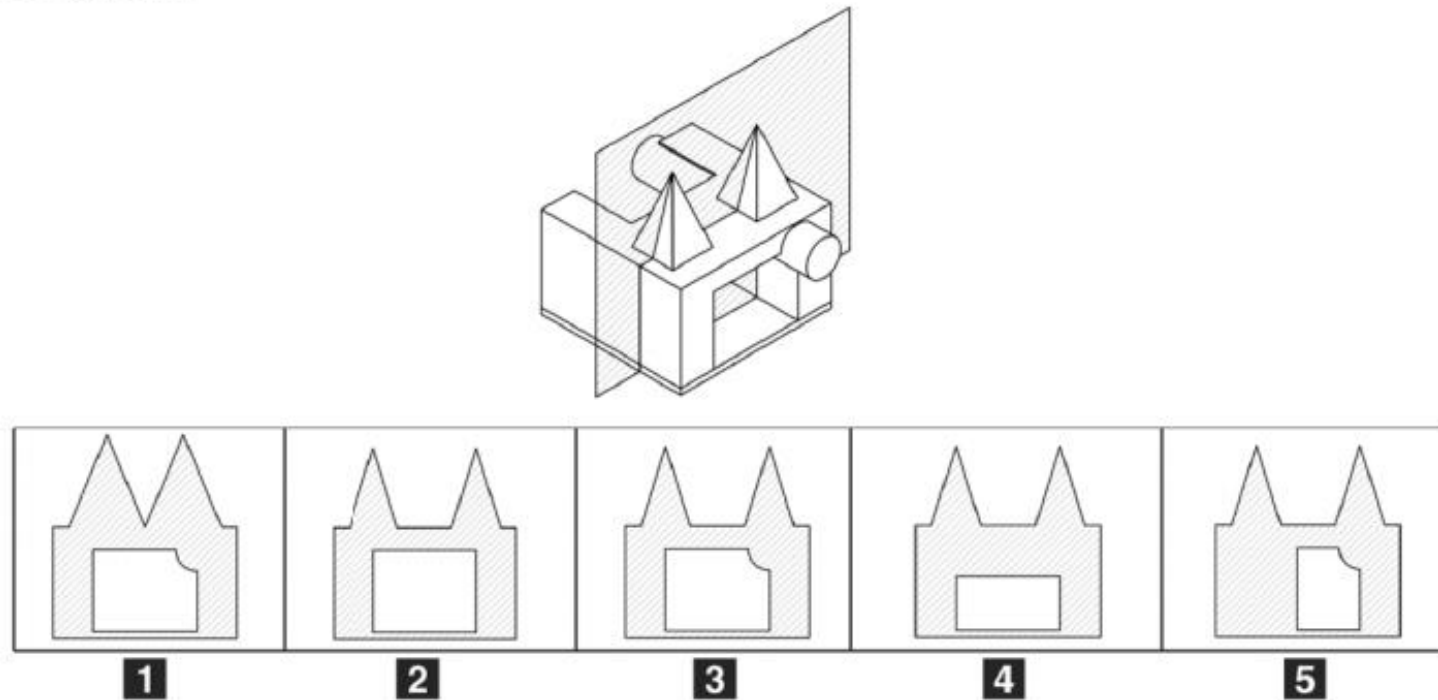


- A) 1B, 2E, 3D, 4A, 5C  
B) 1D, 2A, 3E, 4B, 5C  
C) 1C, 2B, 3A, 4D, 5E  
D) 1E, 2A, 3B, 4D, 5C  
E) 1A, 2C, 3D, 4E, 5B

How to prepare for the Placement Test :  
getting ready for the Architettura/Architecture entry Test

Reading comprehension(10)  
Prior school knowledge, History and General Knowledge (10)  
Logic reasoning (10)  
**Drawing -Representation (10)**  
Mathematics and Physics (10)

44. Referring to the plane that divides up the solids represented, which is the correct section?



- A) 3
- B) 5
- C) 2
- D) 1
- E) 4

How to prepare for the Placement Test :  
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Reading comprehension(10)

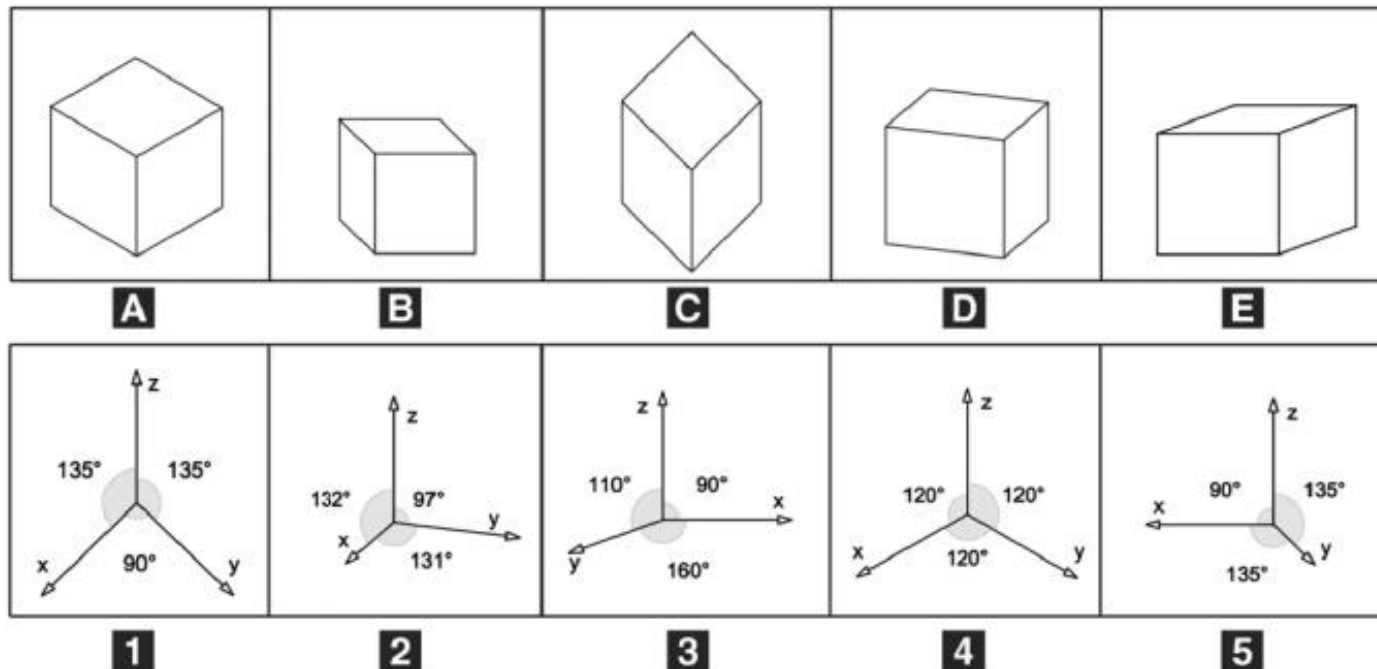
Prior school knowledge, History and General Knowledge (10)

Logic reasoning (10)

**Drawing -Representation (10)**

Mathematics and Physics (10)

45. Match each axonometric projection with the correct set of Cartesian axes.



- A) 1C, 2D, 3E, 4A, 5B  
B) 1A, 2E, 3B, 4D, 5C  
C) 1E, 2D, 3A, 4B, 5C  
D) 1D, 2E, 3C, 4A, 5B  
E) 1B, 2A, 3D, 4C, 5E

How to prepare for the Placement Test :  
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Reading comprehension(10)

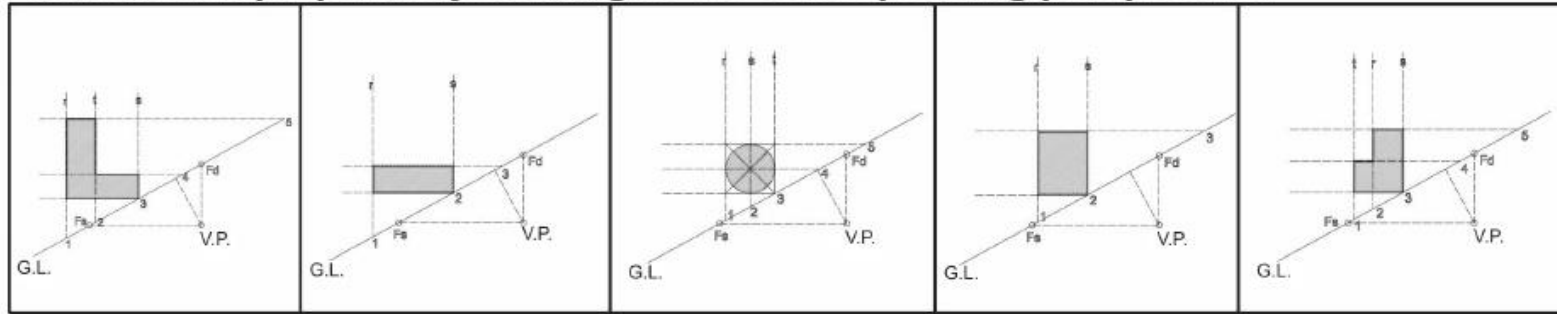
Prior school knowledge, History and General Knowledge (10)

Logic reasoning (10)

**Drawing -Representation (10)**

Mathematics and Physics (10)

47. Match each preparatory drawing to the corresponding perspective.



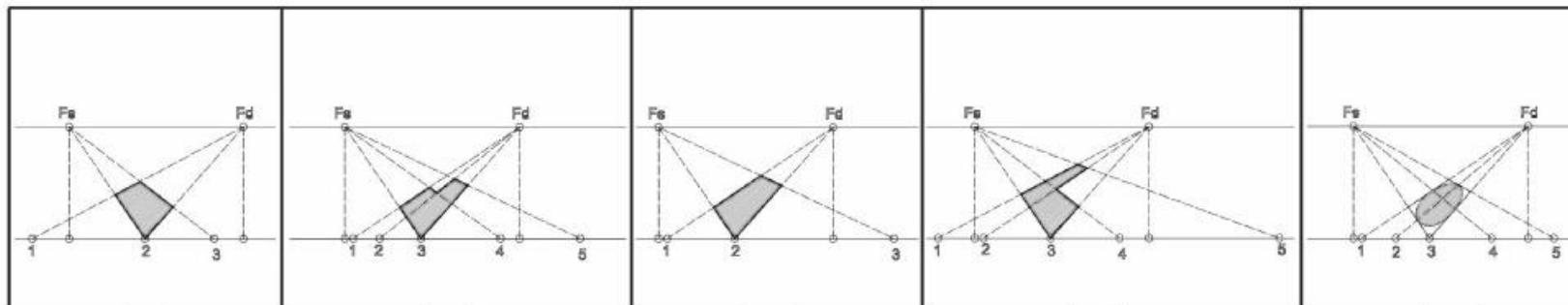
1

2

3

4

5



A

B

C

D

E

- A) 1D, 2A, 3E, 4C, 5B
- B) 1E, 2B, 3D, 4A, 5C
- C) 1B, 2A, 3C, 4E, 5D
- D) 1D, 2B, 3A, 4C, 5E
- E) 1A, 2D, 3B, 4E, 5C

How to prepare for the Placement Test :  
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**Reading comprehension(10)**  
**Prior school knowledge, History and General Knowledge (10)**  
**Logic reasoning (10)**  
**Drawing -Representation (10)**  
**Mathematics and Physics (10)**

49. An aquarium contains 200 litres of water. Given the specific heat of the water is 4,186 J/(kg · K), what is the quantity of energy required to increase the temperature by 1 degree?
- A) 837,200 J
  - B) Around 600 kJ
  - C) 14,860 J
  - D) 328,400 J
  - E) It is not possible to answer without knowing the aquarium's volume

How to prepare for the Placement Test :  
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**Reading comprehension(10)**  
**Prior school knowledge, History and General Knowledge (10)**  
**Logic reasoning (10)**  
**Drawing -Representation (10)**  
**Mathematics and Physics (10)**

50. A barman has to lift a barrel of beer from the floor to the bar counter.  
Given the barrel has a mass of 40 kg and the counter is 80 cm high, approximately what will be the work carried out by the barman?
- A) 320 J
  - B) 32 kJ
  - C) 640 J
  - D) 512 N
  - E) 64 J

How to prepare for the Placement Test :  
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**Reading comprehension(10)**  
**Prior school knowledge, History and General Knowledge (10)**  
**Logic reasoning (10)**  
**Drawing -Representation (10)**  
**Mathematics and Physics (10)**

**51. A child with a mass of 20 kg moves at a speed of 18 km/h sat on a sledge with a mass of 5 kg. What is the total quantity of motion of the child-sledge combination?**

- A) 125 kg · m/s
- B) 100 N
- C) 450 kg · m/s
- D) 450 N
- E) 360 kg · m/s

**How to prepare for the Placement Test :**  
**getting ready for the Architettura/Architecture entry Test**

Reading comprehension(10)  
Prior school knowledge, History and General Knowledge (10)  
Logic reasoning (10)  
Drawing -Representation (10)  
**Mathematics and Physics (10)**

52. A force of 30 N is applied to a mass of 50 decagrams. What is the acceleration of the mass?

- A) 60 m/s<sup>2</sup>
- B) 15 m/s<sup>2</sup>
- C) 0.6 m/s<sup>2</sup>
- D) 30 m/s<sup>2</sup>
- E) 7.5 m/s<sup>2</sup>

How to prepare for the Placement Test :  
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Reading comprehension(10)  
Prior school knowledge, History and General Knowledge (10)  
Logic reasoning (10)  
Drawing -Representation (10)  
**Mathematics and Physics (10)**

55. If the sine of an obtuse angle is equal to  $\frac{4}{5}$ , its cosine is:

- A)  $-\frac{3}{5}$
- B)  $\frac{3}{5}$
- C)  $-\frac{2}{5}$
- D)  $-\frac{1}{5}$
- E)  $\frac{1}{5}$

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getting ready for the Architettura/Architecture entry Test

Reading comprehension(10)  
Prior school knowledge, History and General Knowledge (10)  
Logic reasoning (10)  
Drawing -Representation (10)  
**Mathematics and Physics (10)**

56. The maximum value assumed by the function  $y = -x^2 + 5x - 4$  is:

- A) 9/4
- B)  $+\infty$
- C) 4
- D) 1
- E) 5/2

How to prepare for the Placement Test :  
getting ready for the Architettura/Architecture entry Test

**Reading comprehension(10)**  
**Prior school knowledge, History and General Knowledge (10)**  
**Logic reasoning (10)**  
**Drawing -Representation (10)**  
**Mathematics and Physics (10)**

**57. In the set of Real numbers, the equation  $x^3 = 4x$  has:**

- A) three distinct solutions
- B) three solutions, two of which coincide
- C) only one solution
- D) no solution
- E) two solutions

**How to prepare for the Placement Test :  
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Reading comprehension(10)

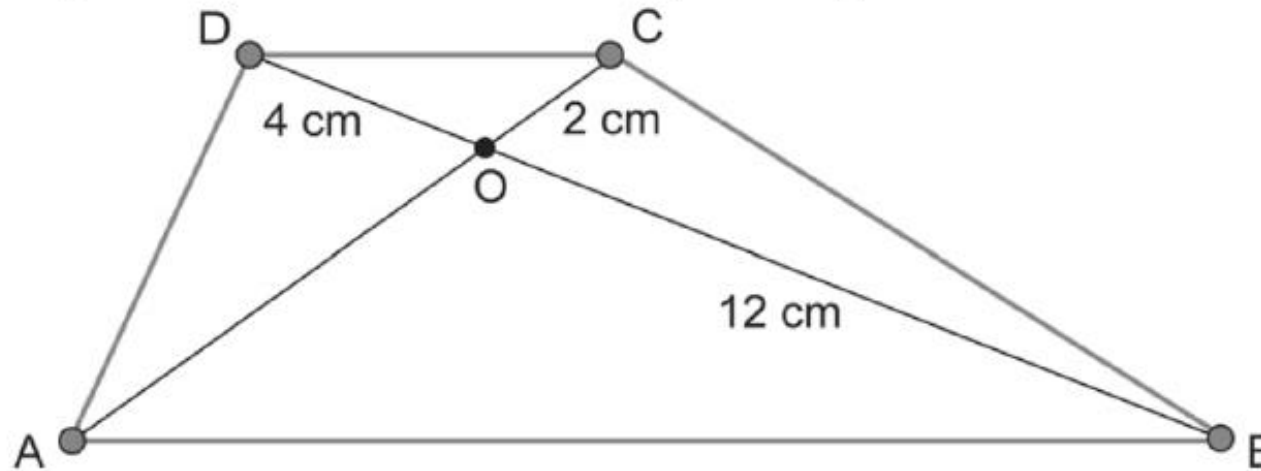
Prior school knowledge, History and General Knowledge (10)

Logic reasoning (10)

Drawing -Representation (10)

Mathematics and Physics (10)

60. If the diagonals of a trapezium ABCD intersect at point O, forming the segments  $OB = 12$  cm,  $OC = 2$  cm and  $OD = 4$  cm, the segment OA will measure:



- A) 6 cm
- B) 8 cm
- C) 10 cm
- D) 14 cm
- E) 24 cm

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<https://didattica.polito.it/VClass/ArchitetturaArchitectureSaloneOFF>

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