

Integrated Masters in Medicine

Internal Exam | Special Admissions

According to the terms of Article 4, paragraph 1., subparagraph b), of the Regulations for Access and Admission to the Integrated Masters in Medicine of the Católica Medical School

MATHEMATICS EXAM CONTENT MATRIX

2025-2026

The present matrix provides the assessment of specific knowledge for students who wish to apply for admission to the Integrated Masters in Medicine of the Católica Medical School.

General instructions:

- The exam is based on 20 questions, 10 multiple-choice and 10 essay questions.
- Each multiple-choice question is marked out of 0.5 values and each essay question is marked out of 1.5 values.
- Only a blue or black pen may be used.
- The use of a broker is not allowed.
- All questions must be answered on the exam sheet.
- The use of a scientific calculator is allowed.
- The exam lasts 90 minutes.

Structure of the exam

| Level of knowledge | Type of knowledge and skills | Quote |
|---|---|-------------|
| Specific knowledge of secondary level mathematics | Concepts of Probabilities and Combinatorial | 5,00 values |
| | Geometry in plane and space | 4,00 values |
| | Complex Numbers | 3,00 values |
| | Study of Functions | 8,00 values |

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BIOLOGY EXAM CONTENT MATRIX

2025/2026

The present matrix provides the assessment of specific knowledge for students who wish to apply for admission to the Integrated Masters in Medicine of the Católica Medical School.

General instructions:

- The exam is evaluated from 0 to 200 points.
- The exam is based on 30 questions, 25 multiple-choice and 5 essay questions.
- Each multiple-choice question is marked out of 5.0 points and each essay question is marked out of 15.0 points.
- Only a blue or black pen may be used.
- The use of a broker is not allowed.
- All questions must be answered on the exam sheet.
- The exam lasts 90 minutes.

Exam structure:

| Type of knowledge and skills | Quote | |
|---|-------------|--------------|
| Diversity in the Biosphere | 20.0 points | 200.0 points |
| Transformation and use of energy by living beings | 20.0 points | |
| Regulation in living beings | 40.0 points | |
| Cell growth and renewal | 20.0 points | |
| Reproduction | 20.0 points | |
| Biological evolution | 40.0 points | |
| Systematics of living beings | 20.0 points | |

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PHYSICS EXAM CONTENT MATRIX

2025/2026

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General instructions:

- The exam is evaluated from 0 to 200 points.
- The exam is based on 20 questions, 15 multiple-choice and 5 essay questions.
- Each multiple-choice question is marked out of 10.0 points and each essay question is also marked out of 10.0 points.
- Only a blue or black pen may be used.
- The use of a broker is not allowed.
- All questions must be answered on the exam sheet.
- The use of a scientific calculator is allowed.
- The exam lasts 90 minutes.

Exam structure:

| Type of knowledge and skills | | Quote | |
|------------------------------|-----------------------------------|-------------|--------------|
| Physics | Measurement and measurement units | 20.0 points | 200.0 points |
| | Waves and Electromagnetism | 30.0 points | |
| | Optics | 10.0 points | |
| | Sound | 20.0 points | |
| | Energy and its conservation | 60.0 points | |
| | Energy and movement | 60.0 points | |

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CHEMISTRY EXAM CONTENT MATRIX 2025/2026

The present matrix provides the assessment of specific knowledge for students who wish to apply for admission to the Integrated Masters in Medicine of the Católica Medical School.

General instructions:

- The exam is evaluated from 0 to 200 points.
- The exam is based on 20 questions, 15 multiple-choice and 5 essay questions.
- Each multiple-choice question is marked out of 10.0 points and each essay question is also marked out of 10.0 points.
- Only a blue or black pen may be used.
- The use of a broker is not allowed.
- All questions must be answered on the exam sheet.
- The use of a scientific calculator is allowed.
- The exam lasts 90 minutes.

Exam structure:

| Type of knowledge and skills | | Quote | |
|------------------------------|---|-------------|--------------|
| Chemistry | Atomic structure, chemical bonding and Lewis's notation | 40.0 points | 200.0 points |
| | Solutions and solution preparation | 30.0 points | |
| | Chemical reactions, writing and correcting reactions | 30.0 points | |
| | Chemical equilibrium | 40.0 points | |
| | Acid-base equilibrium | 40.0 points | |
| | Oxidation-reduction equilibrium | 20.0 points | |