

# Postgraduate Certificate Science and Philosophy



## Postgraduate Certificate Science and Philosophy

- » Modality: online
- » Duration: 2 months
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtitute.com/us/education/postgraduate-certificate/science-philosophy](http://www.techtitute.com/us/education/postgraduate-certificate/science-philosophy)

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01

# Introduction

The relationship between Science and Philosophy is a universal issue that raises some of the most interesting questions in the discipline. This program will allow students to use this interest in highly effective teaching approaches to this subject. An essential program for the most up-to-date teachers.



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*A Postgraduate Certificate in Science and Philosophy that will allow you to specialize in the field in just a few weeks”*

This program approaches Philosophy from a global perspective, focusing specifically on teaching. Students can expect to gain a complete body of knowledge of the most fundamental philosophical themes, from the most purely theoretical and metaphysical to the most practical and active human issues.

In today's job market, professionals from other fields who complement their training with programs in philosophy are highly valued and sought after. Philosophers' ability to see things from another point of view, to think, as it were: Outside the Box, is a fundamental asset in the world of work.

Philosophy helps to see things, as the great Spinoza used to say: Aespecie Aeternitatis. That is to say, under a prism of eternity, knowing that in the great context of the world and the universe our actions are both relevant and insignificant.

The role of philosophy as a consolatory discipline in the face of the evils and misfortunes in the world has always been fundamental, as it allows us to better understand our nature, our actions, our morality, and our being. In short, philosophy helps us to grow as people, to mature as individuals, to be more responsible citizens and to improve our work performance.

Throughout the training, students will have the opportunity to access the most important developments in philosophy applied to teaching. Guided by a very complete but very specific syllabus, students will acquire the knowledge and routines required to teach this subject or those applicable to other areas of life.

An opportunity created to add enormous value to students' CV.

This **Postgraduate Certificate in Science and Philosophy** contains the most complete and up-to-date educational program on the market. The most important features include:

- ♦ The latest technology in online teaching software
- ♦ A highly visual teaching system, supported by graphic and schematic contents that are easy to assimilate and understand
- ♦ Practical cases presented by practising experts
- ♦ State-of-the-art interactive video systems
- ♦ Teaching supported by telepractice
- ♦ Continuous updating and recycling systems
- ♦ Autonomous learning: full compatibility with other occupations
- ♦ Practical exercises for self-assessment and learning verification
- ♦ Support groups and educational synergies: questions to the expert, debate and knowledge forums
- ♦ Communication with the teacher and individual reflection work
- ♦ Content that is available from any fixed or portable device with an Internet connection
- ♦ Complementary documentation databases that are permanently available, even after the program



*A deep educational analysis of the relationship between Science and Philosophy, designed to make the subject in high school classrooms an opportunity for personal growth"*

“ *Studying with TECH will allow you to learn with the best educational systems, benefiting from the most developed and interactive online resources”*

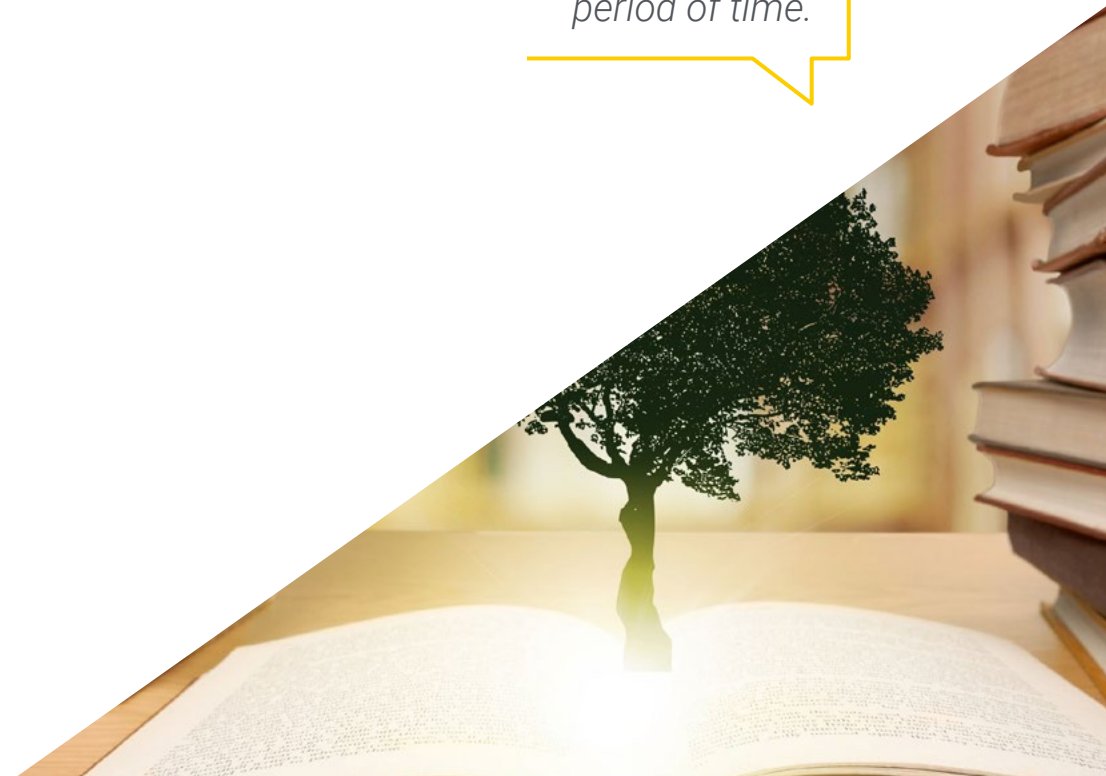
Our teaching staff is composed of Philosophy professionals who are practising specialists. In this way we ensure that we deliver the educational update we are aiming for. A multidisciplinary team of trained and experienced professionals who will cover the theoretical knowledge in an efficient way, but, above all, who will bring the practical knowledge derived from their own experience to the course: one of the differential qualities of this program.

The effectiveness of our methodological design enhances mastery of the subject matter. Developed by a multidisciplinary team of e-learning experts, it integrates the latest advances in educational technology. In this way, students will be able to study with a range of convenient and versatile multimedia tools that will provide them with the operability they need during the training.

The design of this program is based on Problem-Based Learning: an approach that conceives learning as a highly practical process. To achieve this remotely, with the help of an innovative, interactive video system, and through telepractice and Learning From an Expert systems, students will be able to acquire the knowledge as if they were working on the case in real life. A concept that will allow students to integrate and memorize what they have learnt in a more realistic and permanent way.

*Integrate a new way of teaching philosophy in just a few weeks of training and make a quality leap in your career.*

*In just a few weeks, you will master the contents on the program, created to allow you to achieve your goals in a short period of time.*



02

# Objectives

The objective of all our teaching programs is to contribute to an increase in quality in all educational areas. This program in Science and Anthropology reaches peak excellence in this pursuit as it has been created to make these subjects the most complete and interesting in any teacher's program. An exclusive opportunity for teachers to train with the most prestigious online university in the world.





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*Our goal is to give you the theoretical knowledge and practical tools necessary to enrich, enhance and improve your teaching of philosophy”*



## General Objectives

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- ♦ Possess advanced skills delving into research in the different branches of Philosophy, according to the student's choice of specialty
- ♦ Develop a high reflective and critical capacity in philosophical questions and topics, both from a historical and systematic point of view, in order to provide students with a clear understanding of the topics within current schools of thought, which will also be useful for research
- ♦ Master the methodological bases and knowledge that allow for the integration of multiple bodies of philosophical knowledge in a personal work project
- ♦ Have a fluent command of interdisciplinarity, as a basic element of philosophical reflection in its essential openness to other fields of culture and knowledge, and in the development of a reflective understanding of the conceptual foundations of these other fields





## Specific Objectives

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- ♦ Look at the change in society as a result of the use of social networks
- ♦ Develop techniques to approach philosophy from technology

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*Update your knowledge with  
the Postgraduate Certificate in  
Science and Philosophy”*

03

# Course Management

The Postgraduate Certificate in Science and Philosophy has been designed and developed by a group of experts in the field, who have extensive teaching and research experience. Under their tutelage, the program will become a great learning experience. Total quality guarantee.





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*Our professors have been selected using highly rigorous criteria, always keeping educational excellence in mind”*

## Management



### **Dr. Agüero, Gustavo A**

- PhD in Philosophy, National University of Cordoba, Argentina
- Professor of Introduction to Philosophical Thought, Faculty of Languages, UNC
- Director of the Research Group GRASP 08 on Philosophy of Language, Mind and Education Secretariat of Science and Technology, UNC
- Director of the Research Group on Philosophy of Law, National University of San Luis



## Professors

### Ms. Testa, Ana I

- ♦ Degree in Philosophy, National University of Cordoba, Argentina
- ♦ Specialist in the areas of Science, Technology and Society
- ♦ Professor of Philosophy of Education and Philosophy Teaching, Faculty of Philosophy and Humanities, UNC
- ♦ Member of the Research Group GRASP 08 on Philosophy of Language, Mind and Education (directed by Dr. Gustavo A. Agüero) Secretariat of Science and Technology at UNC

04

# Structure and Content

The syllabus for this program has been created to gradually cover all the essential topics in the learning of the subject: from the knowledge of theoretical philosophy to the most practical aspects today. Psychology for teachers in all its aspects, in a complete approach and totally focused on its practical application.



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*A comprehensive teaching program, structured in well-developed teaching units, oriented towards efficient and swift learning that is compatible with your personal and professional life"*

## Module 1. Science, Technology and Society

- 1.1. Science and Us
  - 1.1.1. General Considerations
  - 1.1.2. Science as a Cultural Phenomenon
  - 1.1.3. Is There Common-Sense Science?
  - 1.1.4. Can Science be Neutral?
  - 1.1.5. Technology in the Globalized World
  - 1.1.6. Education, Science and Values
- 1.2. Scientific Knowledge, Technique and Technology
  - 1.2.1. Common Sense and Knowledge
  - 1.2.2. Doxa and Episteme
  - 1.2.3. Knowledge of the Natural World
  - 1.2.4. Knowledge of the Social World
  - 1.2.5. Theoria, Praxis and Techne
  - 1.2.6. Technical Knowledge
  - 1.2.7. The Intervention of New Technologies
- 1.3. Epistemology of Science
  - 1.3.1. Introduction: Philosophy and Science
  - 1.3.2. Scientific Knowledge
  - 1.3.3. Scientific Hypotheses
  - 1.3.4. Explain and Predict
  - 1.3.5. Explain and Understand
  - 1.3.6. Social Sciences and Explaining Human Action
  - 1.3.7. Reasons and Causes in Explaining Action
- 1.4. Scientific Rationality
  - 1.4.1. Introduction: Science as a Rational Enterprise
  - 1.4.2. Rationality and Scientific Progress: Internal and External Factors in the Assessment of Scientific Theories
  - 1.4.3. A Realistic Conception of Science
  - 1.4.4. Rupture and Discontinuity in the Development of Science
  - 1.4.5. Paradigm
  - 1.4.6. Tensions and Anomalies
  - 1.4.7. Scientific Change
  - 1.4.8. Social Science and Paradigms
  - 1.4.9. Epistemological Relativism
- 1.5. Science and Ideology
  - 1.5.1. The Polysemy of the Concept of Ideology
  - 1.5.2. Objectivity and Ideology
  - 1.5.3. Ideology and Truth
  - 1.5.4. The Limits of Relativism
  - 1.5.5. Conceptual Frameworks and Relativism
  - 1.5.6. The Interaction between Science and Ideology
  - 1.5.7. The Influence of Ideology on Cognitive Processes
  - 1.5.8. Scientism as Ideology
  - 1.5.9. The Limits of Understanding and the Limits of Science
- 1.6. Science and Values
  - 1.6.1. Norms, Virtues and Epistemic Values
  - 1.6.2. Science and Ethical Values
  - 1.6.3. Modes of Scientific Rationality
  - 1.6.4. Scientific Rationality as Instrumental Rationality
  - 1.6.5. Scientific Rationality as Practical Rationality
  - 1.6.6. Rationality as Means-End Strategy
  - 1.6.7. The Distinction between Ends and Values
  - 1.6.8. Reasons and Good Reasons
  - 1.6.9. Good Reasons Are Reliable
- 1.7. Technology and Nature

- 1.7.1. Human Life as a Product of Technology
- 1.7.2. The Impact of Technology on Societies
- 1.7.3. Understanding Where We Are
- 1.7.4. Technoscience and Humanism
- 1.7.5. Nature and Artificiality
- 1.7.6. Progress and Utopia
- 1.7.7. Dehumanize Nature?
- 1.7.8. A New Configuration of Human Beings?
- 1.8. From Technique to Technology
  - 1.8.1. The Concept of Technology
  - 1.8.2. The Relationship between Technology and Science
  - 1.8.3. The Intellectual Idea of Technology
  - 1.8.4. Philosophical Presuppositions of the Transition from Technique to Technology
  - 1.8.5. Technological Practice
  - 1.8.6. Technology and Public Policy
  - 1.8.7. Technology and Culture
  - 1.8.8. Technoscientific Decisions and the Environment
  - 1.8.9. Technoscientific Decisions and Health
- 1.9. Social Studies of Science
  - 1.9.1. Introduction: Studies in Science, Technology and Society
  - 1.9.2. Towards a Social Study of Scientific Knowledge
  - 1.9.3. A Critique of the Inherited Conception of Science
  - 1.9.4. From Rationalism to Social Constructivism
  - 1.9.5. Macrosocial Approaches
  - 1.9.6. Microsocial Approaches
  - 1.9.7. Science and Technology as Social Practices
  - 1.9.8. Different Concepts of Practices
- 1.10. Science, Technology and Society (CTS) and Teaching Values
  - 1.10.1. Knowledge Society and Education
  - 1.10.2. Education as Technology
  - 1.10.3. The Importance of Teaching Values
  - 1.10.4. Teaching to Give Reasons
  - 1.10.5. Beyond the Dichotomy of Teaching Content and Skills and Teaching Values
  - 1.10.6. Teaching Values from an CTS Perspective
  - 1.10.7. Teaching Values and Educational Contexts
  - 1.10.8. Studies in STS as Teaching Resources at School
  - 1.10.9. The Classroom as a Community of Inquiry



*A complete program that will take you through the knowledge you need to compete among the best"*

05

# Methodology

This training program offers a different way of learning. Our methodology uses a cyclical learning approach: **Relearning**.

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.





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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## At TECH Education School we use the Case Method

In a given situation, what should a professional do? Throughout the program students will be presented with multiple simulated cases based on real situations, where they will have to investigate, establish hypotheses and, finally, resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method.

*With TECH, educators can experience a learning methodology that is shaking the foundations of traditional universities around the world.*



*It is a technique that develops critical skills and prepares educators to make decisions, defend their arguments, and contrast opinions.*

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*Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method”*

The effectiveness of the method is justified by four fundamental achievements:

1. Educators who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their knowledge.
2. The learning process is solidly focused on practical skills that allow educators to better integrate the knowledge into daily practice.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life teaching.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.



## Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

Our University is the first in the world to combine case studies with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, which represent a real revolution with respect to simply studying and analyzing cases.



*Educators will learn through real cases and by solving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.*



At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology we have trained more than 85,000 educators with unprecedented success in all specialties. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

*Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.*

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by our learning system is 8.01, according to the highest international standards.



This program offers the best educational material, prepared with professionals in mind:



#### Study Material

All teaching material is produced by the specialist educators who teach the course, specifically for the course, so that the teaching content is really specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



#### Educational Techniques and Procedures on Video

TECH introduces students to the latest techniques, with the latest educational advances, and to the forefront of Education. All this, first-hand, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.



#### Interactive Summaries

The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive multimedia content presentation training Exclusive system was awarded by Microsoft as a "European Success Story".



#### Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





### Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



### Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises: so that they can see how they are achieving your goals.



### Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



### Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.



06

# Certificate

The Postgraduate Certificate in Science and Philosophy guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.



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*Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork”*

This **Postgraduate Certificate in Science and Philosophy** contains the most complete and up-to-date program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery\*.

The diploma issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Certificate, and meets the requirements commonly demanded by labor exchanges, competitive examinations and professional career evaluation committees.

Title: **Postgraduate Certificate in Science and Philosophy**

Official N° of Hours: **150 h.**



\*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

future  
health confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present quality  
development language  
virtual classroom



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