



1. Title of the certificate ^(A)

Diploma di Liceo Scientifico opzione Scienze Applicate

Scuole italiane all'estero

^(A) In the original language

2. Translated title of the certificate ^(B)

Upper secondary education diploma - *Licei*

Specialization: Applied Sciences Lyceum

^(B) If applicable. This translation has no legal status.

3. Profile of skills and competences (**)

On completion of the education/training pathway, the holder of the certificate is able to:

Skills common to all *licei*:

- master the Italian language and local language in various communication fields, using different styles suited to different situations;
- communicate in a foreign language (other than Italian and local language) to at least level B2 (CEFR);
- understand different types of written and oral texts with respect to the activity carried out;
- identify problems and argue his/her own position, by critically assessing different viewpoints and putting forward potential solutions;
- demonstrate a good knowledge of the key aspects of the Italian and European literary, artistic, philosophical, religious, local culture and tradition, and be able to compare them with other traditions and cultures;
- act being aware of the cultural aspects and nature of local, Italian and European political, legal, social and economic institutions, and respecting citizen's rights and responsibilities;
- work in professional and interpersonal contexts, collaborating in work groups in a critical and proactive manner;
- critically use ITC tools to carry out study and in-depth analysis activities, and for research and communication purposes;
- master the specific language and procedures of mathematics, physical and natural sciences.

Skills of the *Applied Sciences* specialization:

- critically use ITC tools to carry out study and in-depth analysis activities, and for research and communication purposes, namely in scientific and technological areas;
- use IT tools and methods for data analysis, formalisation and modelling of complex processes, and to find solutions;
- use the logical structures, models and methods of scientific research, as well as technological advances to identify and solve problems, also with respect to daily life;
- consciously apply scientific notions, principles and theories to lab and experimental activities, study and scientific research, and master historic-natural, symbolic, mathematical, logical, formal artificial languages;
- use mathematical reasoning and demonstration methods and master problem posing and solving tools.

4. Range of occupations accessible to the holder of the certificate

The certificate holder can work in various professional areas as an intermediate-level operator:

- institutions, public and private bodies, research centres and utility companies;
- professional firms working in technical, design, medical and veterinary sectors;
- offices and organizations for relations with the public and clients;
- public bodies, ITC enterprises and private companies, software houses and data processing centres;
- research institutes;
- technical/administrative offices;
- medical-scientific information;
- editorial offices of scientific magazines and publishing companies;
- R&D offices;
- Quality Management System (QMS) offices.

5. Official basis of the certificate

Name and status of the body awarding the certificate (***)	Name and status of the national/regional authority providing accreditation/recognition of the certificate Italian Ministry of Education, University and Research (MIUR) www.istruzione.it Italian Ministry of Foreign Affairs and International Cooperation (MAECI) www.esteri.it
Level of the certificate (national or international) EQF level 4	Grading scale / Pass requirements State examination. Final grade out of 100. The full scale is used. Minimum passing grade to obtain the certificate: 60/ 100 A final grade of 100/100 cum laude can also be obtained.
Access to next level of education/training Higher Technical Education and Training (IFTS) Higher Technical Education (ITS) Universities Military Academies Higher Level Arts and Music Education (AFAM)	International agreements EsaBac (if activated)
Legal basis Decree of the Italian President of the Republic no. 89 of 15 March 2010; MAECI-MIUR inter-ministerial decree no. 4460 of 6 September 2012	

6. Officially recognised ways of acquiring the certificate

Description of education/ vocational training received	Percentage of total education/training programme (%)	Duration (hours/weeks/months/years)
School-/training centre-based		Standard learning: 1122 hours/year in the 1 st year; 1155 hours/year in the 2 nd , 3 rd and 4 th years.
Workplace, internship / work placement / school-work alternation / apprenticeship		The certificate holder can have completed school-work alternation, internship or work placement pathways and activities documented and officially recognised for the acquisition of the certificate.
Accredited prior learning		
Total duration of the education/training leading to the certificate		4 years

Entry requirements

First-cycle leaving certificate (lower secondary school leaving diploma).

Additional information

Yearly school hours are divided into mandatory subjects and activities and optional subjects if provided for in the Educational Offer Plan drawn up by each school.

Depending on their level of independence, schools can allocate a percentage of the total hours in the study plans.

Schools can set up a scientific committee made up of teachers and work experts.

Activities and modules related to "Citizenship and Constitution" are envisaged in the historical-geographical and historical-social fields.

Details regarding the School/Certificate holder

School awarding the certificate:

Name of the holder of the certificate:

Attachment of certificate no.:

^(*) Explanatory note

This document is designed to provide additional information about the specified certificate and does not have any legal status in itself. The format of the description is based on the following texts: Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications, Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates, and Recommendation 2001/613/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers.

More information available at: <http://europass.cedefop.europa.eu>

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() The present document does not constitute/replace certification of the competencies of the certificate holder**

(*) The reference data of this supplement are indicated in the last box**