

## **ANNEX B**

### **SPECIFIC REQUIREMENTS FOR UK ,U.S. AND SCOTTISH HIGH SCHOOL DIPLOMAS FOR A.Y. 2019/20**

#### **UK HIGH SCHOOL DIPLOMA**

Applicants with UK high school diploma (GCSE) must have passed at least three A-levels in three different subjects related to the Bachelor's degree programme they are applying for. The subjects which are currently considered by Politecnico di Torino as being related to its degree programmes are listed below; new subjects might be added to this list.

#### **LIST OF A LEVEL SUBJECTS:**

**Engineering** - 3 elective subjects among the following:

- . Mathematics
- . Mathematics – Further\*
- . Biology
- . Chemistry
- . Environmental Management (only available at AS-level, therefore it is necessary to achieve another AS in order to raise it to A Level).
- . Physical Science
- . Physics
- . Business
- . Economics
- . Applied Information and Communication Technology
- . Computer Science
- . Computing
- . Design and Technology
- . Information Technology

**Architecture; Territorial, Urban, Environmental and Landscape Planning; Design and Communication** - 3 elective subjects among the following:

- . Art and Design
- . Classical Studies
- . Mathematics
- . Biology
- . Chemistry
- . Environmental Management (only available at AS-level, therefore it is necessary to achieve another AS in order to raise it to A Level).
- . Physical Science
- . Physics
- . Business
- . Economics
- . Applied Information and Communication Technology
- . Computer Science
- . Computing
- . Design and Technology
- . Information Technology

Politecnico di Torino, in compliance with the principles of university self-government, has determined that the A-level ITALIAN LANGUAGE cannot be counted as one of the related subjects necessary to fulfill Politecnico admission requirements.

The A-level ITALIAN LANGUAGE is valid as a substitute for the Italian language certificate (B1 level) for students who need to prove their knowledge of the Italian language for admission to Politecnico.

Approved by the “Commissione Istruttoria per il Coordinamento dell'attività didattica e formativa” in its meeting held on 21<sup>st</sup> November 2016.

(\*) Added with Executive Decision no.1762 of 29/11/2018.

## SCOTTISH HIGH SCHOOL DIPLOMA

Applicants with Scottish high school diploma must have at least 3 *Advanced Highers* or, *alternatively*, 2 *Advanced Highers* plus at least 4 *Highers* in different subjects related to the Bachelor’s degree programme they are applying for. The subjects which are currently considered by Politecnico di Torino as related to its degree programmes are listed below; new subjects might be added to this list.

### LIST OF SUBJECTS

**Engineering** → elective subjects among the following:

HIGHERS <a href="https://www.sqa.org.uk/sqa/25147.2550.html">https://www.sqa.org.uk/sqa/25147.2550.html</a>	ADVANCED HIGHERS <a href="https://www.sqa.org.uk/sqa/80555.html">https://www.sqa.org.uk/sqa/80555.html</a>
Business, Administration, Accounting & Finance	Administration and Information Technology (Fixed Framework)
Chemical & Process	Architectural Technology
Computing, IT & Related Areas	Building Surveying
Construction	Built Environment
Creative Industries	Business
Engineering	Business (Fixed Framework)
Quality	Business with Accounting (Fixed Framework)
Science and Mathematics	Business with HRM (Fixed Framework)
Supply Chain Management	Business with Information Technology (Fixed Framework)
	Business with Marketing (Fixed Framework)
	Chemical Engineering
	Chemical Process Technology
	Civil Engineering
	Computer Aided Architectural Design & Technology
	Computer Aided Draughting and Design
	Computer Science
	Computing
	Computing: Networking
	Computing: Networking (Fixed Framework)
	Computing: Software Development
	Computing: Software Development (Fixed Framework)
	Computing: Technical Support
	Computing: Technical Support (Fixed Framework)

	Construction Management
	Electronic Engineering (Fixed Framework)
	Electronics
	Engineering Practice
	Engineering Systems
	Financial and Business Management
	Marine Engineering
	Measurement and Control Engineering
	Mechanical Engineering
	Mechatronics
	Petroleum Engineering
	Supply Chain Management (Fixed Framework)

**Architecture; Territorial, Urban, Environmental and Landscape Planning; Design and Communication**

→ elective subjects among the following:

HIGHERS <a href="https://www.sqa.org.uk/sqa/25147.2550.html">https://www.sqa.org.uk/sqa/25147.2550.html</a>	ADVANCED HIGHERS <a href="https://www.sqa.org.uk/sqa/80555.html">https://www.sqa.org.uk/sqa/80555.html</a>
Art	Architectural Technology
Construction	Art and Design
Creative Industries	Building Surveying
Science and Mathematics	Built Environment
	Civil Engineering
	Computer Aided Architectural Design & Technology
	Computer Aided Draughting and Design

Politecnico di Torino, in compliance with the principles of university self-government, has determined that the Advanced Higher ITALIAN LANGUAGE cannot be counted as one of the related subjects necessary to fulfill Politecnico admission requirements.

The Advanced Higher ITALIAN LANGUAGE<sup>1</sup> is valid as a substitute for the Italian language certificate (B1 level) for students who need to prove their knowledge of the Italian language for admission to Politecnico.

Approved by the “Commissione Istruttoria per il Coordinamento dell'attività didattica e formativa” in its meeting held on 19<sup>th</sup> June 2018.

**U.S. HIGH SCHOOL DIPLOMA**

Applicants with U.S. high school diploma must have completed 3 Advanced Placement (AP) courses with a grade between 3 and 5 in three different subjects that are related to the degree programme they are applying for. The subjects which are currently considered by Politecnico di Torino as being related to its degree programmes are listed below; new subjects might be added to this list.

**Engineering:** 3 elective subjects among those listed in the STEM section and the “History & Social Sciences” section.

<sup>1</sup> <https://www.sqa.org.uk/sqa/48456.html> ; <https://www.sqa.org.uk/files/nq/AHCourseSpecModernLanguages.pdf>

**Architecture: Territorial, Urban, Environmental and Landscape Planning; Design and Communication:** 1 subject among those listed in the “Arts” section, one subject among those listed in the “STEM” section + one subject chosen from the “STEM” or “Arts” section.

#### LIST OF AP COURSES

##### **Arts**

AP Art History  
AP Studio Art 2-D Design  
AP Studio Art 3-D Design  
AP Studio Art Drawing

##### **History & Social Sciences**

AP Macroeconomics  
AP Microeconomics

##### **STEM**

AP Biology  
AP Calculus AB  
AP Calculus BC  
AP Chemistry  
AP Computer Science A  
AP Environmental Science  
AP Physics 1  
AP Physics 2  
AP Physics C: Electricity and Magnetism  
AP Physics C: Mechanics  
AP Statistics

**Politecnico di Torino, in compliance with the principles of university self-government, has determined that the AP ITALIAN LANGUAGE course cannot be counted as one of the related subjects necessary to fulfill Politecnico admission requirements.**

**The AP ITALIAN LANGUAGE course is valid as a substitute for the Italian language certificate (B1 level) for students who need to prove their knowledge of the Italian language for admission to Politecnico.**

Approved by the “Commissione Istruttoria per il Coordinamento dell'attività didattica e formativa” in its meeting held on 21<sup>st</sup> November, 2016.