



## CATALOGUE COURSE – ELECTROTECHNICAL AND AUTOMATED SYSTEMS

### A. INFORMATION ON THE INSTITUTION

IES Maimonides, the previous Politecnico in Cordoba, is a bilingual secondary school situated in the Historical centre of Cordova, Spain. We are a very committed school to raising the awareness of the importance of languages in our students, actually we have had a bilingual project for six years now teaching Maths, Geography, History, Natural Sciences, Music, ICT, Design Technology, Arts and Crafts and Physics and Chemistry in English and we teach German as an extracurricular subject. We have also developed an official Educational Programme for students at risk of social exclusion in a broad sense (this includes immigrants). We have also been implementing a Counselling Programme for 6 years now so that students can solve their conflicts in a peaceful way. As an encouraging reward, IES Maimónides school has been awarded a prize for coexistence by a Pro-Human Rights Association. On the same line of looking for ways to improve, our school has recently participated in a Comenius Project called "Insight into the World of Journalism" and has several exchange programmes with Germany, England, The USA and a mobility youth programme with Norway.

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## **B. INFORMATION ON PROGRAMMES**

It offers a wide range of studies; Compulsory Secondary Education, Post-obligatory Secondary Education, Intermediate Vocational Training ( Management and Business Administration, Laboratory and Electrical and Automatic Installations) .and Advanced Vocational Training (Electrotechnical Installations, Administration and Finances and Laboratory and Quality Control Analysys) and Adult Secondary Education.

### **C.2. ELECTROTECHNICAL AND AUTOMATED SYSTEMS**

#### **GENERAL COMPETENCE**

The general competence of this degree consists of developing projects and managing and monitoring the assembly, maintenance of electrotechnical facilities in the field of electrotechnical regulations for low voltages (REBT). It also consists of monitoring the maintenance of common facilities and infrastructures of telecommunications on the basis of the technical documentation, specifications, regulations and established procedures ensuring the functioning, quality, safety and the environmental conservation.

<b>PROFESSIONAL MODULES 1ST YEAR</b>		
	<b>TOTAL NUMBER OF HOURS</b>	<b>NUMBER OF ECTS CREDITS</b>
<b>0517.PROCESSES IN COMMON TELECOMMUNICATION INFRASTRUCTURE FACILITIES</b>	<b>128H</b>	<b>8</b>
<b>0518.TECHNIQUES AND PROCESSES IN ELECTRICAL FACILITIES</b>	<b>256</b>	<b>12</b>
<b>0519.technical documentation in ELECTRICAL FACILITIES</b>	<b>96</b>	<b>6</b>
<b>0520.ELECTRICAL SYSTEMS AND CIRCUITS</b>	<b>128</b>	<b>8</b>
<b>0521.TECHNIQUES AND PROCESSES IN DOMOTIC AND AUTOMATED FACILITIES</b>	<b>256</b>	<b>12</b>
<b>0527.VOCATIONAL TRAINING AND GUIDANCE</b>	<b>96</b>	<b>5</b>
<b>TOTAL NUMBER OF HOURS</b>	<b>960</b>	

<b>PROFESSIONAL MODULES 2ND YEAR</b>		
	<b>TOTAL NUMBER OF HOURS</b>	<b>NUMBER OF ECTS CREDITS</b>
<b>0522.DEVELOPMENT OF POWER LINES AND TRANSFORMATION CENTRES</b>	<b>126</b>	<b>10</b>
<b>0523.CONFIGURATION OF DOMOTIC AND AUTOMATED FACILITIES</b>	<b>147</b>	<b>11</b>
<b>0524.CONFIGURATION OF ELECTRICAL FACILITIES</b>	<b>147</b>	<b>11</b>
<b>0602.MAINTENANCE AND ASSEMBLY MANAGEMENT OF ELECTRICAL FACILITIES</b>	<b>63</b>	<b>6</b>
<b>0526.ELECTRONIC AND AUTOMATED SYSTEMS PROJECT</b>	<b>40H</b>	<b>5</b>
<b>0528.BUSINESS AND ENTREPRENEURIAL INITIATIVE</b>	<b>84H</b>	<b>4</b>
<b>0529.WORKPLACE TRAINING</b>	<b>370H</b>	<b>22</b>
<b>FLEXIBLE CREDITS</b>	<b>63H</b>	
<b>TOTAL NUMBER OF HOURS</b>	<b>1040H</b>	

All the course Units are taught in Spanish.



### **METHODOLOGY OF CREDIT ALLOCATION**

The allocation of ECTS credits is based on the Royal Legislative Decree 1127/2010. Students must obtain a specific number of credits in each Vocational Training Programme, these credits are based on the number of hours of each Course Unit. The Flexible credits are obtained by attending certain modules which will be decided by the Educational team of each Vocational Training Programme taking into account the needs of the students.

Students who carry out the workplace training abroad will get 22 credits and the incoming students will be applied the same credit allocation system based on the ECTS principles.

### **SUPPORT AND MENTORING FOR MOBILE STUDENTS**

All the incoming and outbound students will get the necessary support from his mentor and supervisor.