

CERTIFICATE SUPPLEMENT (*)
SPAIN

TITLE OF THE CERTIFICATE (original language: ES)
ADVANCED EXPERT IN DEVELOPMENT OF COMPUTER APPLICATIONS

TRANSLATED TITLE OF THE CERTIFICATE (language)

PROFILE OF SKILLS AND COMPETENCES

General competence

Develop computing applications, participating in the design and performing the programming, tests, and documentation of the applications in accordance to the functional requirements, the approved specifications and the applicable regulations.

This Expert will act, when appropriate, under the general supervision of an Engineer or Bachelor and/or Technical Engineer or Diplomaed Specialist.

Competence units

1. Using isolated computer systems or computer systems interconnected through a network.
2. Performing the analysis and detailed design of management computing applications.
3. Developing, adapting and testing programs in structured programming languages and fourth-generation languages.
4. Designing and providing display services that facilitate the operation of the applications.

RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE

Occupations or jobs:

Expert in maintenance of computer systems in singleuser and multi-user environments. Computer systems operation manager in small- and medium-sized companies. Administrator of local area networks. Expert in information and advice on computer systems and applications. Computer systems consultant.

(*) 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.

The body awarding this Certificate Supplement may leave blank any box considered not to be applicable.

Name and status of the body awarding the certificate MINISTERIO DE EDUCACIÓN, CULTURA Y DEPORTE (Central Government)	Name and status of the national/regional authority providing accreditation/recognition of the certificate MINISTERIO DE EDUCACIÓN, CULTURA Y DEPORTE (Central Government) COMPETENT BODY IN THE AUTONOMOUS COMMUNITY (Autonomic Government)
Level of the certificate in the awarding country Advanced Vocational Training (CNED 51 H– Advanced Specific Vocational Training and equivalents, Plastic Arts and Design, and Sports)	Grading scale / Pass requirements Basic regulation of the Ministry of Education, Culture and Sports of 21 July 1994. Occupational modules: graded from 1 to 10 (5 is pass). Training at work: pass / fail. Continuous assessment system.
Access to next level of education/training <ul style="list-style-type: none"> - Teacher (all majors) - Library Science and Documentation Diplomaed Specialist - Business Sciences Diplomaed Specialist. - Social Education Diplomaed Specialist. - Statistics Diplomaed Specialist. - Public Management and Administration Diplomaed Specialist. - Labour Relations Diplomaed Specialist. - Social Work Diplomaed Specialist. - Tourism Diplomaed Specialist. - Technical Engineer in Management Computing. - Technical Engineer in Systems Computing. 	International agreements
Legal basis General Organic Law of the Educational System 1/1990 of October 3, Organic Law 5/2002 of June 19 on Qualifications and Vocational Training, Royal Decree 676/1993 of May 7, Royal Decree 777/1998 of April 30. ROYAL DECREE 1661/1994, of July 22 (BOE 30.09.94).	

OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

Description of vocational education and training received	Percentage of total programme (%)	Duration <i>hours/weeks/months/years</i>
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* At Secondary Education Centres or approved training centres, including training modules of a theoretical practical nature and Training at Work.

- ANALYSIS AND DETAILED DEVELOPMENT OF MANAGEMENT COMPUTING APPLICATIONS
- DEVELOPMENT OF APPLICATIONS IN FOURTH -GENERATION ENVIRONMENTS AND WITH CASE TOOLS
- DESIGN AND IMPLEMENTATION OF DISPLAY SERVICES IN GRAPHIC ENVIRONMENTS
- TRAINING AT WORK
- OCCUPATIONAL TRAINING AND GUIDANCE
- PROGRAMMING IN STRUCTURED LANGUAGES
- RELATIONS IN THE WORKING ENVIRONMENT
- MULTI-USER AND NETWORKED COMPUTER SYSTEMS

	<i>Total duration of the education/ training leading to the certificate</i>	2000 hours
Entry requirements Holding the Certificate in Post-Compulsory Secondary Education (Bachillerato) or holding the corresponding certificate of the entry examination.		
Additional information More information available at: http://www.educacion.es		