

# **SCHOOL OF PEDAGOGICAL & TECHNOLOGICAL EDUCATION**



## **A Brief Guide to ASPETE Course Catalogue 2013-2014**

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**October 2013**

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## Preface

This *Brief Guide to ASPETE for 2013-2014* contains essential information about ASPETE's mission and vision, past history and present profile, as well as a guide to courses taught and degrees awarded, including ECTS credits allocation and further curricula specifications.

ASPETE is situated in Athens, but it also operates branches in a number of cities across the country. Nurtured with great expectations in relation to the teaching profession, ASPETE aims at ensuring and promoting excellence in all of the programmes offered by its academic departments. These include undergraduate study-programmes in three major disciplines, joint postgraduate programmes (MA) in cooperation with Higher Education Institutions in Greece or abroad, and programmes of pedagogical training, further training or specialization. To this end, ASPETE is committed to policies and standards that define best practices and encourage transnational cooperation.

The *Brief Guide to ASPETE for 2013-2014* is divided into sections and subsections, as set out in the detailed contents list. The sections can be read straight through, but they are primarily designed for reference.

Information can also be accessed on the web at: [www.aspete.gr](http://www.aspete.gr)

# 1 Introducing ASPETE



## 1.1 Historic Review

**The School of Pedagogical and Technological Education (ASPETE) was founded in Athens in June 2002 as the successor of SELETE, a Technical & Vocational Teacher Training Institute, founded in 1959 (Law 3971/1959).**

When SELETE was first established, the prevailing trend for the education and training of Technical and Vocational Teachers was that of the “add on” approach. That is, the focus was primarily on pedagogical training and only a small component of the curriculum pertained to technical or vocational subjects. Later, in the seventies, a parallel approach was adopted, that urged integrating pedagogical training with technical and vocational training. This new approach led to the establishment of two separate Schools under SELETE:

- **The Pedagogical Technical School (PATES)**, which maintained the tradition of the “add on” or consecutive pedagogical approach and included the following Departments:
  - ▶ Department of Tertiary Education Graduates
  - ▶ Department of Secondary Technical & Vocational Education Graduates
- **The Higher School of Pedagogical & Technical Education (ASETEM)**, which adopted the parallel or concurrent model approach and included the following Higher Education Departments:
  - ▶ Department of Electrical Engineering Educators
  - ▶ Department of Electronic Engineering Educators
  - ▶ Department of Mechanical Engineering Educators
  - ▶ Department of Civil Engineering Educators
    - (i) Option of Structural Engineering
    - (ii) Option of Transportation Engineering & Hydraulics

SELETE continued to function with this structure until the end of the academic year 2001-2002, when it was officially succeeded by the **School of Pedagogical & Technological Education, ASPETE** (Law 3027/2002, Article 4).

## 1.2 ASPETE's Academic Profile

The School of Pedagogical and Technological Education (ASPETE) is a self-administered public legal entity operating in accordance with article 16, para. 5 of the Constitution, **the provisions of article 4 of Law 3027/2002 as amended by the Presidential Decree 101/2013 and article 29 of Law 4186/2013, and the School's Regulation.**

ASPETE provides concurrent technological and pedagogical education and training at tertiary level. Its mission includes the promotion of applied research in educational technology and pedagogy, as well as the provision of training, further training or specialization for in-service or prospective secondary teachers. Apart from **Athens**, one-year self-funded programmes of pedagogical training or specialization, are currently delivered in **Thessaloniki, Patras, Volos, Ioannina, Kozani, Sapes, Heraklion-Crete, Mytilene, and Rhodes**. ASPETE also implements programmes of joint postgraduate programmes (M.A.) in cooperation with Higher Education Institutions in Greece or abroad.

ASPETE's policy statement also acknowledges the changing landscape of Higher Education in Europe and encourages transnational cooperation.

### ASPETE has the following Academic Departments:

- ▶ Dept. of Education: <http://education.aspete.gr>
- ▶ Dept. of Electrical and Electronic Engineering Educators  
Degree Option: Electrical Engineering Educators: <http://elecengedu.aspete.gr>  
Degree Option: Electronic Engineering Educators: <http://elecengedu.aspete.gr>
- ▶ Dept. of Mechanical Engineering Educators: <http://mechanical.aspete.gr>
- ▶ Dept. of Civil Engineering Educators: <http://civil.aspete.gr>

**The degree issued by the three Technological Departments of ASPETE** qualifies its holders to teach in the corresponding discipline in secondary education. It also qualifies them to work as engineers in the corresponding discipline, with professional rights equivalent to those of TEIs (Technological Education Institutions). The Degree bears both titles, that of the educator and that of the engineer. It is awarded following the completion of a course of study of ten academic semesters including the submission of a graduation thesis and a six-month engineering work placement in the field (Article 29, Law 4186/2013/FEK 193 issue A'/17.9.2013).

**ASPETE's Department of Education** supports the School's Technological Departments by providing the pedagogical and general courses that constitute an integral part of the curriculum. In doing so, they support ASPETE's commitment to an education emphasizing the preparation of knowledgeable engineering educators who demonstrate depth and breadth in engineering subject area content(s), as well as in engineering pedagogy. The Department also provides scientific supervision and support to the programmes of pedagogical training, further training or specialization implemented by ASPETE.

**ASPETE also implements** joint postgraduate programmes (M.A.) in cooperation with Higher Education Institutions in Greece or abroad.

## 1.3 ASPETE's Administrative Structure

### 1.3.1 Administration Board

ASPETE is supervised by the Ministry of Education and Religious Affairs and administered by a 7-member Administration Board. The Administration Board plays a key role in the strategic development and overall performance of ASPETE, as well as in enhancing its success and reputation regionally, nationally and internationally.

The Administration Board holds regular meetings, which may be attended by (i) an academic staff union representative, and (ii) a student union representative, who, however, do not have a voting right.

Directly accountable to the Administration Board are:

- The Special Account for Research Grants (ELKE)
- The Legal Service
- The Public & International Relations Office.

### 1.3.2 Bodies of Academic Departments

ASPETE's Academic Departments are run by their Departmental Councils, which are presided by their Department Head. Each Departmental Council comprises three Members of the Department's Academic Staff and a Student Union Representative.

### 1.3.3 Administrative Services

ASPETE's mission is supported by the following **Administrative Services**, headed by the **Secretary of ASPETE**:

- Administrative Services
- Financial Services
- Register of Correspondence
- Library & Publications
- Technical Services
- Health Care Services
- Statistics & Registry Services
- Network Operation Centre (ref. DE Deed no. 25/2-12-10, 1.1)

## 1.4 ASPETE's Campus and Branches



**The Athens Campus**



**ASPETE's main campus**, immediately adjacent to the Olympic Stadium and encompassing approximately 200 acres, is situated in an attractive location no more than 10 km from the center of **Athens**. The easiest access to it is by metro or train. Disembarking at "IRENE Station" and taking the exit to the north, one is already within its boundaries.

Campus premises include building complexes housing ASPETE's departments and services, a theater/ceremony hall, a student residence hall, a restaurant for students and personnel, sport facilities and car parks, all within easy walking distance. One of the most picturesque sites of the campus is the little chapel built on a small hill overlooking the area.

ASPETE's campus is also well provided with library facilities, catering for undergraduate needs, advanced study and research.

In response to the increasing demand for expanding its activities, ASPETE has operated a number of geographically dispersed **Branches** offering programmes of pedagogical training and further training or specialization. Today ASPETE has Branches in **Thessaloniki** (since 1979), **Patras** (1996), **Ioannina** (1999), **Heraklion-Crete** (1999), **Volos** (2000), **Sapes** (2008), **Rhodes/Southern Aegean Branch** (2012), **Mytilene/Northern Aegean Branch** (2013), and **Kozani/Western Macedonia Branch** (2013).

## ASPETE's Branches



**Thessaloniki**



**Patras**



**Volos**



**Ioannina**



**Kozani**



**Sapes**



**Heraklion-Crete**



**Rhodes**



**Mytilene**

## ASPETE's Campus and Branches



- Athens ■
- Thessaloniki 1979 ■ Patra 1996 ■
- Ioannina 1999 ■ Heraklion Crete 1999 ■
- Volos 2000 ■ Sapes 2008 ■ Rhodes 2012 ■
- Mytilene 2013 ■ Kozani 2013 ■

## 2 Undergraduate Programmes

### 2.1 Degree Programmes by the Technological Departments

#### ▶ Department of Electrical and Electronic Engineering Educators

##### ● Degree Option: Electrical Engineering Educators

Title: Electrical Engineering Educator

Level of Qualification: Bachelor (1<sup>st</sup> Cycle of Studies)

Duration of Studies: 5 years (10 academic semesters)

Total Student Working Load: 7.500

ECTS: 300

##### ● Degree Option: Electronic Engineering Educators

Degree Awarded: Electronic Engineering Educator

Level of Qualification: Bachelor (1<sup>st</sup> Cycle of Studies)

Duration of Studies: 5 years (10 academic semesters)

Total Student Working Load: 7.500

ECTS: 300

#### ▶ Department of Mechanical Engineering Educators

##### ● Degree Awarded: Mechanical Engineering Educator

Level of Qualification: Bachelor (1<sup>st</sup> Cycle of Studies)

Duration of Studies: 5 years (10 academic semesters)

Total Student Working Load: 7.500

ECTS: 300

#### ▶ Department of Civil Engineering Educators

##### ● Degree Awarded: Civil Engineering Educator

Level of Qualification: Bachelor (1<sup>st</sup> Cycle of Studies)

Duration of Studies: 5 years (10 academic semesters)

Total Student Working Load: 7.500

ECTS: 300

### 2.2 Content and Structure

The content and structure of the above degree programmes reflect and promote ASPETE's twofold orientation, i.e. the pedagogical and the technological, as well as the principles of the concurrent model of education on which they are based.

Taught courses fall into two main categories:

- Technological Courses (T), and
- Pedagogical Courses (P)

offered concurrently with a balanced emphasis (see Part B below).

The above course categories are further classified into the following discipline-specific groups:

- General Core Courses
- Special Core Courses
- Specialization Courses
- Administration, Economics, Law, and Humanities Courses

## 2.3 Mode of Delivery & Language of Instruction

Courses are delivered face-to-face through a variety of teaching methods including formal lectures, laboratory and workshop tutorials, fieldwork and projects aiming at consolidating the learning goals and objectives. The balance between theory and practice is further enhanced by various extra-curricular activities ranging from special topic seminars, conferences and panel discussions to educational visits and trips.

Courses in ASPETE are normally taught in Greek. In all Departments, however, there are special arrangements for incoming LLP/Erasmus students. The most common ones are tutorials in English, assignment of essays and projects in English with the use of English bibliography, exam papers in English, etc. As not all incoming students are fluent in Greek, ASPETE requires a sufficient knowledge of the English language to allow students to communicate and function within an academic context.

## 2.4 ECTS Credits Allocation

The European Credits Transfer System (ECTS) is applied to all undergraduate study-programmes offered by ASPETE. Each academic semester is consistently equivalent to 30 ECTS credits, which gives a total of 300 credits corresponding to a total of 7.500 hours of workload. ECTS credits are allocated to all compulsory course units (see Part B below).

## 2.5 Assessment and Grading

Each course unit or subject is assessed separately by means of assignments and mid-term exams (progress-tests), as well as formal examinations at the end of each semester. A grading scale from 0 to 10 is used, with 5 being the lowest passing grade. A student with a failing final grade in a subject is entitled to resit the second examination period of the corresponding semester.

The overall award classification is based upon the final overall mark. The following grading and classification scheme is used:

- **Grading Scheme and Classification**

- 8.50 – 10.00: Excellent
- 6.50 – 8.49: Very Good
- 5.00 – 6.49: Good

## 2.6 Admission Requirements

Admission to the 5-year **Undergraduate Programmes** offered by the Technological Departments of ASPETE is made possible through the procedures specified by the system regulating entrance to tertiary/higher education in Greece.

## 2.7 Graduation Requirements

ASPETE's degree (*ptychio*) is awarded following the successful completion of a course of study of ten academic semesters. Students receive their degree when they have achieved a total of 300 ECTS credits, and specifically when:

- They have successfully completed all courses of their Department's study-programme
- They have successfully submitted their graduation thesis
- They have successfully completed a six-month practical training in the field
- They have successfully completed their teaching practice sessions
- They have completed 5 years of study

## 2.8 Diploma Supplement (DS)



As from June 2008, all ASPETE's graduates receive a **Diploma Supplement (DS)**, which follows the model developed by the European Commission, Council of Europe and UNESCO/CEPES. The DS is issued both in Greek and in English, automatically and free of charge.

ASPETE is a holder of the **DS Label 2012/15**, an honorary distinction awarded by the European commission and EACEA to Higher Education Institutions demonstrating excellence in applying and issuing DS.

## 2.9 Access to Further Studies

ASPETE's degree may entitle access to:

- Postgraduate studies leading to the award of a postgraduate degree (master or doctorate).

## 2.10 Student Care & Services

ASPETE's students are entitled to:

- Free textbooks and other teaching material
- Scholarships (distinguished students with low family income)
- Accommodation at the Student Residence Hall of ASPETE, conveniently located on campus (students with low family income)
- Loans under provisions
- Free health care (students with no health insurance coverage)
- Student Union membership

ASPETE's students receive:

- A Pass Card for reduced fares (valid for 1 year and renewable annually)
- Meal coupons for use at the School's Restaurant

Other student services include:

- Library facilities
- Computer and networking facilities
- Printing and photocopying facilities
- Workshop and laboratory facilities
- Web-based videoconference facilities
- OPEN eCLASS (<http://eclass.aspete.gr>)
- Sport facilities (indoor gym, basketball and volley courts)
- Confidential support services and personal counselling
- Support services for students with disabilities
- Erasmus mobility services ([www.aspete.gr](http://www.aspete.gr) - Erasmus icon)
- Liaison/Career Office services (comprehensive range of resources including links with the labour market, careers service, information on postgraduate studies, scholarships and grants, etc).

## 2.11 Exchange Students

**Exchange students** are being accepted only from partner Institutions with which there are signed Bilateral Agreements in force. Mobility is organized in line with the terms of the Agreements, and relevant info is published on ASPETE's website.

**Incoming Erasmus Students:** Students who wish to study or do their work placement in ASPETE under LLP/Erasmus are strongly advised to contact the International and/or Erasmus Office in their home institution to discuss aspects of their application and Learning or Training Agreement. It is the responsibility of the Departmental Erasmus Coordinator at home institution to ensure that (a) the courses students wish to take in ASPETE fulfill the requirements of their own degree programme, (b) they are actually offered in the specific mobility semester by the Department of ASPETE they are applying to, (c) that the students are eligible for the specific mobility. Information concerning courses and ECTS (see also 2.3 above and Course Catalogue in Part B below), application procedures and deadlines, accommodation, etc, is published on ASPETE's website ([www.aspete.gr](http://www.aspete.gr) - Erasmus Icon). Students may also want to contact the Institutional Erasmus Coordinator of ASPETE or the Departmental Coordinator of the relevant Dept. Their contact details are available in the above link. Similar procedures hold true for ASPETE's **outgoing students** who wish to study or do their placement under LLP/Erasmus abroad.

## 2.12 Academic Calendar

The academic year starts on September 1, every year and ends on August 31 of the following year. The academic year in ASPETE is typically divided into two semesters, each comprising 13 weeks of teaching and a 2-week examination:

- Fall/winter semester courses start in the beginning of October and end in late January, followed by the first exam period of the fall/winter semester.
- Spring semester courses start in mid- or late February and end in late May, followed by the first exam period of the spring semester.

Each semester has two exam periods:

- Fall/winter semester courses are examined during the January-February exam period; resit exams are held in September
- Spring semester are examined during the exam period of June; resit exams are

held in September

Exact dates are determined by the Departmental Councils and ASPETE's Administrative Board on a yearly basis and are published on the website.

**Holidays:**

- Christmas Holidays: December 24th to January 7th
- Easter Holidays: Holy Monday to First Sunday after Easter
- Summer Holidays: Beginning of July to August 31st

**Other Official Holidays:**

- October 28th: National Holiday
- November 17th: For Educational Institutions only
- January 6th: Epiphany Day
- January 30th: For Educational Institutions only
- Lent Monday: Movable
- March 25th: National Holiday
- May 1st: Labour Day
- Holy Spirit Day/Pentecost Monday: Movable

### **3 Postgraduate Programmes**

#### **3.1 Joint Postgraduate Programmes by the Department of Education**

ASPETE's Department of Education is directly involved in the planning and implementation of the following joint postgraduate programmes:

- A joint postgraduate programme in cooperation with the National and Kapodistrian University of Athens, School of Philosophy, Faculty of Philosophy, Education and Psychology, Department of Education (<http://dimente.ppp.uoa.gr>) in "Subjects Didactics and New Technologies" (not offered any longer).
- A joint postgraduate programme "M.A. in Education (Education Sciences)", in cooperation with Roehampton University, London, UK (<http://www.roehampton.ac.uk>).

### **4 Programmes of Training, Further Training or Specialization**

#### **4.1 The Pedagogical Training Programme**

The pedagogical training programme (EPPAIK) offered by ASPETE is of a one-year duration and leads to the award of a "Certificate of Pedagogical and Teaching Competence". The programme is tailored to meet the needs of in-service or prospective teachers with degrees from all higher education disciplines and specializations.

Admission to the pedagogical training programme is determined by the Administrative Committee of ASPETE on a yearly basis.

The programme integrates theoretical instruction and laboratory work, is supplemented by the Teaching Practice Sessions, and is supported by a variety of extra-curricular on-campus and off-campus activities. Apart from Athens, it is delivered in Thessaloniki, Patras, Volos, Ioannina, Heraklion-Crete, Volos, Sapes, Rhodes, Mytilene, and Kozani.

#### **4.2 Programmes of Further Training or Specialization**

The programmes of further training or specialization offered by ASPETE are of up to two-semesters and are intended for higher education graduates from all academic disciplines and specializations. Admission to these programmes is determined by the Administrative Committee of ASPETE. Those that have successfully completed the programmes, are awarded a "Certificate of Further Training" or "Specialization Training", accordingly.

As with the pedagogical training programme, admission to the programmes of further training or specialization is determined by the Administration Board of ASPETE on a yearly basis.

## Part B - Programmes Specifications

### 5 Department of Electrical and Electronic Engineering Educators

- **Degree Option A:** Electrical Engineering Educators
- **Degree Option B:** Electronic Engineering Educators

#### 5.1 5-Year Degree Programme

**Title:**

Degree Option A: Electrical Engineering Educator

Degree Option B: Electronic Engineering Educator

**Level:** Undergraduate (1<sup>st</sup> Cycle)

**Duration:** 5 years/10 academic semesters

**ECTS:** 300 **Total Workload:** 7500

#### STUDY PROGRAMME

**Abbreviations used:**

**A:** Degree Option A, **B:** Degree Option B, **C:** Compulsory, **CE:** Compulsory Elective, **O:** Optional (no ECTS credits)  
**T:** Technological Course, **P:** Pedagogical Course, **Th.:** Theory/Hours per Week, **Lab:** Hours per Week, **Total:** Total No. of Hours per Week, **WL:** Workload

1st SEMESTER								
Code	COURSE TITLE	C/CE/O	T/P	Th.	Lab	Total	WL	ECTS
EE101	Mathematics I	C	T	4	0	4	9.0	5.0
EE102	Physics	C	T	4	2	6	11.0	6.0
EE103	Electric Circuits I	C	T	4	2	6	11.0	6.0
EE104	Computer Programming	C	T	2	2	4	6.0	3.0
EE105	Pedagogy & Philosophy of Education	C	P	3	0	3	6.5	5.0
EE106	Developmental Psychology	C	P	3	0	3	6.5	5.0
<b>Total</b>				<b>20</b>	<b>6</b>	<b>26</b>	<b>50.0</b>	<b>30.0</b>

2nd SEMESTER								
Code	COURSE TITLE	C/CE/O	T/P	Th.	Lab	Total	WL	ECTS
EE201	Mathematics II	C	T	4	0	4	9.0	5.0
EE202	Electronics I	C	T	3	2	5	8.5	5.0
EE203	Electric Circuits II	C	T	4	2	6	11.0	6.0
EE204A	Electrical Drawing	C	T	2	2	4	6.5	4.0
EE204B	Component Technology - Electronic Design	C	T	2	2	4		
EE205	Computer Programming for Engineering Applications	C	T	3	2	5	8.5	5.0
EE206	Educational Psychology	C	P	3	0	3	6.5	5.0
<b>Total</b>				<b>19</b>	<b>8</b>	<b>27</b>	<b>50.0</b>	<b>30.0</b>

3rd SEMESTER								
Code	COURSE TITLE	C/CE/O	T/P	Th.	Lab	Total	WL	ECTS
EE301	Mathematics III	C	T	4	0	4	9.0	5.0
EE302	Electronics II	C	T	4	2	6	11.5	7.0
EE303	Electromagnetic Fields	C	T	4	0	4	9.0	5.0
EE304	Signals and Systems	C	T	4	0	4	9.0	5.0
EE305	Educational Evaluation	C	P	3	0	3	7.0	5.0
EE306	Computer Applications in Education	C	P	1	2	3	4.5	3.0
<b>Total</b>				<b>20</b>	<b>4</b>	<b>24</b>	<b>50.0</b>	<b>30.0</b>

4th SEMESTER								
Code	COURSE TITLE	C/CE/O	T/P	Th.	Lab	Total	WL	ECTS
EE401A	Electric Machines I	C	T	3	2	5	9.5	5.5
EE401B	Electronics III	C	T	3	2	5		
EE402	Logic Design	C	T	3	2	5	9.5	5.5
EE403	Instrumentation -Measurements	C	T	3	2	5	9.5	5.5
EE404	Foreign Language-ESP	C	T	3	0	3	7.5	3.5
EE405	Teaching Methodology	C	P	3	0	3	7.0	5.0
EE406	Counselling Psychology & Guidance	C	P	3	0	3	7.0	5.0
		<b>Total</b>		<b>18</b>	<b>6</b>	<b>24</b>	<b>50.0</b>	<b>30.0</b>

5th SEMESTER								
Code	COURSE TITLE	C/CE/O	T/P	Th.	Lab	Total	WL	ECTS
EE501	Automatic Control Systems	C	T	3	2	5	9.0	5.0
EE502A	Electric Machines II	C	T	3	2	5	9.0	5.0
EE502B	Analog & Digital Filters	C	T	3	2	5		
EE503	Reliability Engineering	C	T	4	0	4	9.0	5.0
EE504	Entrepreneurship – Innovation I & Subject Didactics	C	T	2	0	2	5.0	3.0
EE505A	Electrical Installations I	C	T	3	3	6	12.0	7.0
EE505B	Telecommunication Systems	C	T	4	2	6		
EE506	Organization, Administration & Sociology of Education	C	P	3	0	3	6.0	5.0
		<b>Total</b>		<b>18</b> <b>19</b>	<b>7</b> <b>6</b>	<b>25</b>	<b>50.0</b>	<b>30.0</b>

6th SEMESTER								
Code	COURSE TITLE	C/CE/O	T/P	Th.	Lab	Total	WL	ECTS
EE601	Power Electronics	C	T	3	2	5	9.0	5.0
EE602	Industrial Automatic Control	C	T	3	2	5	9.0	5.0
EE603A	Electrical Installations II	C	T	3	3	6	11.5	7.0
EE603B	Optical Communications	C	T	4	2	6		
EE604A	Electrical Energy Systems I	C	T	3	2	5	9.0	5.0
EE604B	Transmission Lines	C	T	3	2	5		
EE605	Subject Didactics	C	P	3	0	3	7.0	5.0
EE606	Educational Technology-Multimedia	C	P	1	2	3	4.5	3.0
		<b>Total</b>		<b>16</b> <b>17</b>	<b>11</b> <b>10</b>	<b>27</b>	<b>50.0</b>	<b>30.0</b>

7th SEMESTER								
Code	COURSE TITLE	C/CE/O	T/P	Th.	Lab	Total	WL	ECTS
EE701A	Electrical Energy Systems II	C	T	4	2	6	11.5	7.0
EE701B	Microwaves-Antennas	C	T	4	2	6		
EE702A	Quality Assurance	C	T	3	0	3	7.0	4.0
EE702B	Operating Systems	C	T	3	0	3		
EE703A	Lighting Technology	C	T	3	2	5	9.0	5.0
EE703B	Digital Design	C	T	3	2	5		
EE704A	Computer Aided Design of Electrical Installations	C	T	1	4	5	9.0	5.0
EE704B	Broadcasting Systems	C	T	3	2	5		
EE705	Educational Research Methodology	C	P	3	0	3	7.0	5.0
EE706	General Technology	C	T	2	2	4	6.5	4.0

	<b>Total</b>	<b>16 18</b>	<b>10 8</b>	<b>26</b>	<b>50.0</b>	<b>30.0</b>
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<b>8th SEMESTER</b>								
<b>Code</b>	<b>COURSE TITLE</b>	<b>C/CE/O</b>	<b>T/P</b>	<b>Th.</b>	<b>Lab</b>	<b>Total</b>	<b>WL</b>	<b>ECTS</b>
EE801A	Electric Car System	C	T	3	2	5	10.0	6.0
EE801B	Computer Networks	C	T	3	2	5		
EE802	Data Acquisition & Processing	C	T	2	2	4	6.5	4.0
EE803A	High Voltages	C	T	4	2	6	11.5	7.0
EE803B	Wireless Communications	C	T	4	2	6		
EE804	Advanced Circuit Analysis	C	T	4	0	4	6.5	4.0
EE805A	Environmental Technology	C	T	4	0	4	6.5	4.0
EE805B	Digital Signal Analysis & Processing	C	T	2	2	4		
EE806	Teaching Practice I	C	P				9.0	5.0
EE807	Entrepreneurship – Innovation II *	O		0	(2)	(2)		
		<b>Total</b>		<b>17 15</b>	<b>6 8</b>	<b>23</b>	<b>50.0</b>	<b>30.0</b>

\*Optional, pass/fail course with no grade or ECTS involved. Mandatory prerequisite: passing grade in EE504.

<b>9th SEMESTER</b>								
<b>Code</b>	<b>COURSE TITLE</b>	<b>C/CE/O</b>	<b>T/P</b>	<b>Th.</b>	<b>Lab</b>	<b>Total</b>	<b>WL</b>	<b>ECTS</b>
EE901A	Electric Motion	C	T	4	2	6	11.5	7.0
EE901B	Digital Broadcasting Services	C	T	4	2	6		
EE902	Microcomputers	C	T	4	2	6	11.5	7.0
EE903A	Power Systems Economics	C	T	4	0	4	10.0	6.0
EE903B	Broadband Communications	C	T	4		4		
EE904	Alternative Energy Sources	C	T	3	0	3	7.0	4.0
EE905	Smart Grid	C	T	4	0	4	10.0	6.0
		<b>Total</b>		<b>19</b>	<b>4</b>	<b>23</b>	<b>50.0</b>	<b>30.0</b>

<b>10th SEMESTER</b>								
<b>Code</b>	<b>COURSE TITLE</b>	<b>C/CE/O</b>	<b>T/P</b>	<b>Th.</b>	<b>Lab</b>	<b>Total</b>	<b>WL</b>	<b>ECTS</b>
EE1001	Engineering Work Placement	C	T				10.0	6.0
EE1002	Teaching Practice II	C	P				7.0	4.0
EE1003	Graduation Thesis	C	T/P				33.0	20.0
		<b>Total</b>					<b>50.0</b>	<b>30.0</b>

### **Programme requirements:**

Students receive their degree when they have accumulated 300 credits (ECTS), and specifically when:

- they have successfully completed all Courses of the Department's Study Programme.
- they have successfully submitted their Graduation Project
- they have successfully completed a six-month Work Placement in the field
- they have successfully completed their Teaching Practice Sessions.
- they have completed 5 years of study

Upon successful completion of the Programme students will:

- have acquired the basic scientific, theoretical and practical knowledge in the field of Electrical Engineering Educators and the related profession
- be able to properly apply the theoretical and practical knowledge acquired during the study period
- have gained the necessary competencies to proceed to their second cycle studies

## 6 Department of Mechanical Engineering Educators

### 6.1 5-Year Degree Programme

**Title:** Mechanical Engineering Educator

**Level:** Undergraduate (1<sup>st</sup> Cycle)

**Duration:** 5 years/10 academic semesters

**ECTS:** 300 **Total Workload:** 7500

### STUDY PROGRAMME

**Abbreviations used:**

**C:** Compulsory, **CE:** Compulsory Elective, **O:** Optional (no ECTS credits) **T:** Technological Course, **P:** Pedagogical Course, **Th.:** Theory/Hours per Week, **Lab:** Hours per Week, **Total:** Total No. of Hours per Week, **WL:** Workload

1st SEMESTER								
Code	COURSE TITLE	C/CE/O	T/P	Th.	Lab	Total	WL	ECTS
M0101	Introduction to Mechanics	C	T	6	0	6	12.0	7.0
M0102	Mathematics I	C	T	6	0	6	12.0	7.0
M0103	Chemistry & Technology of Materials	C	T	3	2	5	10.0	6.0
M0104	Developmental Psychology	C	P	3	0	3	8.0	5.0
M0105	Pedagogy & Philosophy of Education	C	P	3	0	3	8.0	5.0
<b>Total</b>				<b>21</b>	<b>2</b>	<b>23</b>	<b>50.0</b>	<b>30.0</b>

2nd SEMESTER								
Code	COURSE TITLE	C/CE/O	T/P	Th.	Lab	Total	WL	ECTS
M0201	Introduction to Manufacturing Processes	C	T	4	2	6	9.0	5.5
M0202	Applied Mechanics	C	T	5	0	5	9.0	5.5
M0203	Mathematics II	C	T	5	0	5	10.0	5.5
M0204	Mechanical Engineering Drawing	C	T	0	2	2	5.0	3.0
M0205	Physics	C	T	4	2	6	9.0	5.5
M0206	Educational Psychology	C	P	3	0	3	8.0	5.0
<b>Total</b>				<b>21</b>	<b>6</b>	<b>27</b>	<b>50.0</b>	<b>30.0</b>

3rd SEMESTER								
Code	COURSE TITLE	C/CE/O	T/P	Th.	Lab	Total	WL	ECTS
M0301	Strength of Materials I	C	T	6	2	8	12.0	7.5
M0302	Electrotechnics	C	T	2	0	2	5.0	3.0
M0303	Thermodynamics	C	T	3	0	3	7.0	4.0
M0304	Fluid Mechanics I	C	T	4	2	6	13.0	7.5
M0305	Computer Applications in Education	C	P	1	2	3	5.0	3.0
M0306	Educational Evaluation	C	P	3	0	3	8.0	5.0
<b>Total</b>				<b>19</b>	<b>6</b>	<b>25</b>	<b>50.0</b>	<b>30.0</b>

4th SEMESTER								
Code	COURSE TITLE	C/CE/O	T/P	Th.	Lab	Total	WL	ECTS
M0401	Strength of Materials II	C	T	4	2	6	10.0	6.0
M0402	Electric Machines	C	T	3	2	5	7.0	4.0
M0403	Fluid Mechanics II	C	T	4	2	6	11.0	6.5
M0404	Foreign Language -ESP	C	T	3	0	3	6.0	3.5
M0405	Teaching Methodology	C	P	3	0	3	8.0	5.0
M0406	Counselling Psychology and Guidance	C	P	3	0	3	8.0	5.0
<b>Total</b>				<b>20</b>	<b>6</b>	<b>26</b>	<b>50.0</b>	<b>30.0</b>

<b>5th SEMESTER</b>								
<b>Code</b>	<b>COURSE TITLE</b>	<b>C/CE/O</b>	<b>T/P</b>	<b>Th.</b>	<b>Lab</b>	<b>Total</b>	<b>WL</b>	<b>ECTS</b>
M0501	Material Removal Processes and CNC Machine Tools	C	T	4	2	6	9.0	5.5
M0502	Heat Transfer	C	T	5	0	5	9.0	5.5
M0503	Machine Elements I	C	T	5	0	5	8.0	5.0
M0504	Hydraulic Turbomachines	C	T	4	2	6	11.0	6.0
M0505	Entrepreneurship, Innovation I & Subject Didactics	C	T	2	0	2	5.0	3.0
M0506	Organization, Administration & Sociology of Education	C	P	3	0	3	8.0	5.0
		<b>Total</b>		<b>23</b>	<b>4</b>	<b>27</b>	<b>50.0</b>	<b>30.0</b>

<b>6th SEMESTER</b>								
<b>Code</b>	<b>COURSE TITLE</b>	<b>C/CE/O</b>	<b>T/P</b>	<b>Th.</b>	<b>Lab</b>	<b>Total</b>	<b>WL</b>	<b>ECTS</b>
M0601	Quality Management	C	T	4	2	6	9.0	5.5
M0602	Thermal Turbomachines	C	T	4	2	6	11.0	6.0
M0603	Machine Elements II	C	T	4	0	4	8.0	5.0
M0604	Heating Techniques – Steam Boilers	C	T	5	0	5	9.0	5.5
M0605	Subject Didactics	C	P	3	0	3	8.0	5.0
M0606	Educational Technology - Multimedia	C	P	1	2	3	5.0	3.0
M0607	Entrepreneurship - Innovation II *	O		0	(2)	(2)	----	----
		<b>Total</b>		<b>21</b>	<b>6</b>	<b>27</b>	<b>50.0</b>	<b>30.0</b>

\*Optional, pass/fail course with no grade or ECTS involved. Mandatory prerequisite: passing grade in M0505

<b>7th SEMESTER</b>								
<b>Code</b>	<b>COURSE TITLE</b>	<b>C/CE/O</b>	<b>T/P</b>	<b>Th.</b>	<b>Lab</b>	<b>Total</b>	<b>WL</b>	<b>ECTS</b>
M0701	Advanced Deformation Processes	C	T	3	2	5	8.0	5.0
M0702	Internal Combustion Engines	C	T	4	2	6	8.0	5.0
M0703	Refrigeration and Air Conditioning Technology	C	T	4	2	6	9.0	5.0
M0704	Hydraulic and Pneumatic Systems	C	T	5	0	5	8.0	5.0
M0705	Educational Research Methodology	C	P	3	0	3	8.0	5.0
M0706	Teaching Practice I	C	P				9.0	5.0
		<b>Total</b>		<b>19</b>	<b>6</b>	<b>25</b>	<b>50.0</b>	<b>30.0</b>

<b>8th SEMESTER</b>								
<b>Code</b>	<b>COURSE TITLE</b>	<b>C/CE/O</b>	<b>T/P</b>	<b>Th.</b>	<b>Lab</b>	<b>Total</b>	<b>WL</b>	<b>ECTS</b>
M0801	Renewable Energy Sources – Energy Saving	C	T	5	2	7	10.0	6.0
M0802	Theory of Machines and Mechanisms	C	T	4	0	4	8.0	5.0
M0803	Mechanical Behaviour and Fatigue	C	T	3	0	3	6.0	3.5
M0804	Conveyors and Transfer Systems	C	T	4	0	4	8.0	4.5
M0805	Engineering Materials	C	T	4	0	4	8.0	5.0
M0806	Automobile Technology	C	T	4	2	6	10.0	6.0
		<b>Total</b>		<b>24</b>	<b>4</b>	<b>28</b>	<b>50.0</b>	<b>30.0</b>

<b>9th SEMESTER</b>								
<b>Code</b>	<b>COURSE TITLE</b>	<b>C/CE/O</b>	<b>T/P</b>	<b>Th.</b>	<b>Lab</b>	<b>Total</b>	<b>WL</b>	<b>ECTS</b>
M0901	Automatic Control Systems – Industrial Automations	C	T	4	0	4	11.0	6.5
M0902	Design and Technology	C	T	2	2	4	10.0	6.0
M0903	Modern Physics and Technology	C	T	4	0	4	10.0	6.0
M0904	Techno-Economic Analysis & Project Management	C	T	4	0	4	11.0	6.5
M0905	Technical Legislation	C	T	3	0	3	8.0	5.0
		<b>Total</b>		<b>17</b>	<b>2</b>	<b>19</b>	<b>50.0</b>	<b>30.0</b>

<b>10th SEMESTER</b>								
<b>Code</b>	<b>COURSE TITLE</b>	<b>C/CE/O</b>	<b>T/P</b>	<b>Th.</b>	<b>Lab</b>	<b>Total</b>	<b>WL</b>	<b>ECTS</b>
M1001	Graduation Thesis	C	T/P				33.0	20.0
M1002	Engineering Work Placement	C	T				10.0	6.0
M1003	Teaching Practice II	C	P				7.0	4.0
		<b>Total</b>					<b>50.0</b>	<b>30.0</b>

## 7 Department of Civil Engineering Educators

### 7.1 5-Year Degree Programme

**Title:** Civil Engineering Educator

**Level:** Undergraduate (1<sup>st</sup> Cycle)

**Duration:** 5 years/10 academic semesters

**ECTS:** 300 **Total Workload:** 7500

### STUDY PROGRAMME

**Abbreviations used:**

**C:** Compulsory, **CE:** Compulsory Elective, **O:** Optional (no ECTS credits) **T:** Technological Course, **P:** Pedagogical Course, **Th.:** Theory/Hours per Week, **Lab:** Hours per Week, **Total:** Total No. of Hours per Week, **WL:** Workload

1st SEMESTER								
Code	COURSE TITLE	C/CE/O	T/P	Th.	Lab	Total	WL	ECTS
CE101	Mathematics I	C	T	4	0	4	8.5	4.5
CE 102	Physics I	C	T	3	2	5	8.5	4.5
CE 103	Architectural Design I	C	T	2	5	7	9.5	6.5
CE 104	Introduction to Informatics & Computer Programming	C	T	2	2	4	7.5	4.5
CE 105	Pedagogy & Philosophy of Education	C	P	3	0	3	8.0	5.0
CE 106	Developmental Psychology	C	P	3	0	3	8.0	5.0
Total				17	9	26	50.0	30.0

2nd SEMESTER								
Code	COURSE TITLE	C/CE/O	T/P	Th.	Lab	Total	WL	ECTS
CE 201	Mathematics II	C	T	3	2	5	8.5	5.5
CE 202	Physics II	C	T	3	2	5	7.0	4.0
CE 203	Structural Analysis I	C	T	3	2	5	9.0	5.5
CE204	Computer-Aided Design	C	T	0	5	5	9.0	5.5
CE205	Engineering Geology	C	T	2	2	4	8.5	4.5
CE206	Educational Psychology	C	P	3	0	3	8.0	5.0
Total				14	13	27	50.0	30.0

3rd SEMESTER								
Code	COURSE TITLE	C/CE/O	T/P	Th.	Lab	Total	WL	ECTS
CE301	Structural Materials	C	T	3	3	6	10.0	6.0
CE302	Strength of Materials	C	T	3	3	6	10.0	6.0
CE303	Structural Analysis II	C	T	3	2	5	10.0	6.0
CE304	Traffic Engineering	C	T	2	2	4	7.0	4.0
CE305	Educational Evaluation	C	P	3	0	3	8.0	5.0
CE306	Computer Applications in Education	C	P	1	2	3	5.0	3.0
Total				15	12	27	50.0	30.0

4th SEMESTER								
Code	COURSE TITLE	C/CE/O	T/P	Th.	Lab	Total	WL	ECTS
CE401	Numerical Analysis <b>OR</b> Advanced Topics in Physics	CE	T	2	2	4	7.0	4.0
CE402	Computational Structural Engineering	C	T	3	2	5	10.0	6.0
CE403	Building Construction Design I	C	T	3	2	5	10.0	6.0
CE404	Surveying	C	T	2	3	5	7.0	4.0
CE405	Teaching Methodology	C	P	3	0	3	8.0	5.0
CE406	Counselling Psychology & Guidance	C	P	3	0	3	8.0	5.0
Total				16	9	25	50.0	30.0

<b>5th SEMESTER</b>								
<b>Code</b>	<b>COURSE TITLE</b>	<b>C/CE/O</b>	<b>T/P</b>	<b>Th.</b>	<b>Lab</b>	<b>Total</b>	<b>WL</b>	<b>ECTS</b>
CE501	Steel Structures	C	T	2	2	4	8.5	5.0
CE502	Soil Mechanics	C	T	2	3	5	10.0	6.0
CE503	Hydraulic Engineering	C	T	3	2	5	10.0	6.0
CE504	General Technology	C	T	2	2	4	8.0	4.5
CE505	Foreign Language - ESP	C	T	3	0	3	5.5	3.5
CE506	Organization, Administration & Sociology of Education	C	P	3	0	3	8.0	5.0
		<b>Total</b>		<b>15</b>	<b>9</b>	<b>24</b>	<b>50.0</b>	<b>30.0</b>

<b>6th SEMESTER</b>								
<b>Code</b>	<b>COURSE TITLE</b>	<b>C/CE/O</b>	<b>T/P</b>	<b>Th.</b>	<b>Lab</b>	<b>Total</b>	<b>WL</b>	<b>ECTS</b>
CE601	Reinforced Concrete I	C	T	3	2	5	10.0	6.0
CE602	Road Engineering	C	T	3	2	5	9.0	5.5
CE603	Urban Hydraulic & Land Reclamation Works	C	T	3	2	5	9.0	6.0
CE604	Structural Analysis III	C	T	2	2	4	8.0	4.5
CE605	Subject Didactics	C	P	3	0	3	8.0	5.0
CE606	Educational Technology -Multimedia	C	P	1	2	3	6.0	3.0
		<b>Total</b>		<b>15</b>	<b>10</b>	<b>25</b>	<b>50.0</b>	<b>30.0</b>

<b>7th SEMESTER</b>								
<b>Code</b>	<b>COURSE TITLE</b>	<b>C/CE/O</b>	<b>T/P</b>	<b>Th.</b>	<b>Lab</b>	<b>Total</b>	<b>WL</b>	<b>ECTS</b>
CE701	Reinforced Concrete II	C	T	3	2	5	10.0	6.0
CE702	Structural Dynamics	C	T	2	2	4	10.0	6.0
CE703	Marine Hydraulics & Harbour Works	C	T	3	0	3	7.0	4.0
CE704	Entrepreneurship - Innovation I & Subject Didactics	C	T	2	0	2	5.0	3.0
CE705	Foundations	C	P	3	2	5	10.0	6.0
CE706	Educational Research Methodology	C	P	3	0	3	8.0	5.0
		<b>Total</b>		<b>16</b>	<b>6</b>	<b>22</b>	<b>50.0</b>	<b>30.0</b>

<b>8th SEMESTER</b>								
<b>Code</b>	<b>COURSE TITLE</b>	<b>C/CE/O</b>	<b>T/P</b>	<b>Th.</b>	<b>Lab</b>	<b>Total</b>	<b>WL</b>	<b>ECTS</b>
CE801	Earthquake Resistant Structures	C	T	3	2	5	10.0	6.0
CE802	Hydrodynamic Works & Renewable Energy Systems	C	T	3	2	5	10.0	6.0
CE803	Repair & Strengthening of Structures	C	T	2	2	4	8.0	4.5
CE804	Construction Management	C	T	3	0	3	6.0	4.5
CE805	Building Construction Design II & Environment <b>OR</b> Masonry Structures	CE	T	2	2	4	8.0	4.5
CE806	Advanced Topics in Foundations	C	T	2	2	4	8.0	4.5
CE807	Entrepreneurship - Innovation II *	O		---	(2)	(2)	---	---
		<b>Total</b>		<b>15</b>	<b>10</b>	<b>25</b>	<b>50.0</b>	<b>30.0</b>

\*Optional, pass/fail course with no grade or ECTS involved. Mandatory prerequisite: passing grade in CE704.

<b>9th SEMESTER</b>								
<b>Code</b>	<b>COURSE TITLE</b>	<b>C/CE/O</b>	<b>T/P</b>	<b>Th.</b>	<b>Lab</b>	<b>Total</b>	<b>WL</b>	<b>ECTS</b>
CE901	Prestressed Concrete & Advanced Topics in Concrete	C	T	3	2	5	11.0	6.5
CE902	Water Resources & Energy Management	C	T	3	2	5	11.0	6.5
CE903	Architectural Design II & Technical Legislation <b>OR</b> Energy Building Design & Electromechanical Facilities	CE	T	3	2	5	10.0	6.0
CE904	Pavements	C	T	3	2	5	9.0	6.0
CE905	Teaching Practice I	C	P				9.0	5.0
		<b>Total</b>		<b>12</b>	<b>8</b>	<b>20</b>	<b>50.0</b>	<b>30.0</b>

<b>10th SEMESTER</b>								
<b>Code</b>	<b>COURSE TITLE</b>	<b>C/CE/O</b>	<b>T/P</b>	<b>Th.</b>	<b>Lab</b>	<b>Total</b>	<b>WL</b>	<b>ECTS</b>
CE1001	Teaching Practice II	C	P				7.0	4.0
CE1002	Engineering Work Placement	C	T				10.0	6.0
CE1003	Graduation Thesis	C	T/P				33.0	20.0
		<b>Total</b>					<b>50.0</b>	<b>30.0</b>

## 8 Programmes of Training or Specialization

### 8.1 One-year Programme of Pedagogical Training (EPPAIK)

COURSE TITLE	WL	ECTS	1 <sup>st</sup> Semester Hours per Week	2 <sup>nd</sup> Semester Hours per Week	Total
Pedagogy & Philosophy of Education	8	4	2Th.	----	2
Developmental Psychology	7	4	2Th.	----	2
Educational Psychology	7	4	----	2Th.	2
Organization, Administration & Sociology of Education	7	4	2Th.	----	2
Counselling Psychology & Guidance	7	4	----	2Th.	2
Teaching Methodology	7	4	----	2Th.	2
Computer Applications in Education	7	4	1Th+1Lab	----	2
Educational Research Methodology	7	4	2Th.	----	2
Educational Evaluation	7	4	2Th.	----	2
Subject Didactics	7	4	----	2Th.	2
Educational Technology -Multimedia	8	4	----	1Th.+1Lab	2
Teaching Practice (PAD)	10	8	PAD 1 (3)	PAD 2 (3)	2
Final Thesis	10	8	----	Final Thesis	6
<b>TOTAL</b>	<b>100</b>	<b>60</b>	<b>11Th.+1Lab*</b>	<b>9Th.+1Lab*</b>	<b>22*</b>

\* Apart from teaching practice sessions

#### Abbreviations used:

**Th.:** Theory/Hours per Week, **Lab:** Hours per Week, **PAD:** Teaching Practice, **Total:** Total No. of Hours per Week, **WL:** Workload, **ECTS:** II

### 8.2 One-Year Programme of Specialization in Counselling & Guidance (PESYP)

COURSE TITLE	1 <sup>st</sup> Semester Hours per Week	2 <sup>nd</sup> Semester Hours per Week
Counselling and Counselling Psychology Theoretical Background and Applications	2hours	----
Professional Development, Decision Making & Career Counselling Theories	2hours	----
Development of Counselling Skills and New Technologies Workshop	2hours (in groups)	----
Research Methodology for Counselling & Guidance: Statistics and Research	2hours	----
Group Intervention in Personal Development - Workshop I	2hours (in groups)	----
Organizational Psychology, Human Resources Management, Labour Market	3hours	----
Introduction to Professional Evaluation and Psychometrics	----	2 hours
Group Intervention in Personal Development - Workshop II	----	2 hours
Counselling in Lifelong Development	----	3 hours
Counselling for Vulnerable Groups (Cros-cultural Counselling, Minorities, Special Needs Groups, etc)	----	3 hours
Counselling and Family	----	2 hours
<b>Total:</b>	<b>13 hours</b>	<b>12 hours</b>

The programme requirements also include (a) a supervised off-campus practicum of at least 300 hours duration, and (b) the successful submission of a thesis (equivalent to 250 hours).

## Part C - International Partnerships

For ASPETE, partnerships with higher education institutions worldwide not only assist in creating a distinctive educational experience for staff and students; they also allow ASPETE to adapt its mission and policies to a more competitive and globalised reality and to maintain an active presence in Europe and other parts of the world.

ASPETE has built and continues to develop strong and effective partnerships at national and international level, encompassing joint projects, joint postgraduate degrees, bilateral agreements for staff and student mobility, and general Memoranda of Understanding (MOU) that highlight potential areas of cooperation.

**ASPETE's international academic partnerships include:**

### Asia

CHINA	
Hunan Normal University <a href="http://www.hunnu.edu.cn/english">www.hunnu.edu.cn/english</a>	Memorandum of Understanding (MOU)

### Europe

AUSTRIA	
Padagogische Hochschule Wien <a href="http://www.phwien.ac.at">www.phwien.ac.at</a>	LLP/Erasmus Bilateral Agreement
Padagogische Hochschule Kaernten <a href="http://www.ph-kaernten.ac.at/">http://www.ph-kaernten.ac.at/</a>	LLP/Erasmus Bilateral Agreement
BELGIUM	
Hogeschool Gent <a href="http://www.hogent.be">www.hogent.be</a>	Socrates/Comenius 2.1, SEE EU Tool
Catholic University of Louvain <a href="http://www.uclouvain.be">www.uclouvain.be</a>	Research Project Mediappro
Limburg Catholic University College <a href="http://www.khlim.be">www.khlim.be</a>	FP7–SCIENCE IN SOCIETY–Pathway Project
KATHO <a href="http://www.katho.be">www.katho.be</a>	LLP/Erasmus Bilateral Agreement
BULGARIA	
University of Shumen <a href="http://shu-bg.net">http://shu-bg.net</a>	FP7–SCIENCE IN SOCIETY–Pathway Project
Technical University of Sofia (TUS) <a href="http://www.tu-sofia.bg">www.tu-sofia.bg</a>	FP7-ENERGY-SEETSOC LLP/Erasmus Bilateral Agreement
CZECH REPUBLIC	
University of West Bohemia <a href="http://www.zcu.cz">www.zcu.cz</a>	LLP/Erasmus Bilateral Agreement
Technical University of Ostrava, FME <a href="http://www.vsb.cz">www.vsb.cz</a>	LLP/Erasmus Bilateral Agreement
Czech University of Life Sciences Prague <a href="http://www.czu.cz">www.czu.cz</a>	LLP/Erasmus Bilateral Agreement

Charles University Prague, Faculty of Education <a href="http://www.cuni.cz">www.cuni.cz</a>	Socrates/Comenius 2.1, TERECoP Project LLP/Erasmus Bilateral Agreement
<b>DENMARK</b>	
University College Lillebaelt <a href="http://www.ucl.dk">www.ucl.dk</a>	LLP/Erasmus Bilateral Agreement
Lillebaelt Academy of Professional Higher Education <a href="http://www.eal.dk">www.eal.dk</a>	LLP/Erasmus Bilateral Agreement
VIA University College <a href="http://www.viauc.dk">www.viauc.dk</a>	LLP/Erasmus Bilateral Agreement
<b>ESTONIA</b>	
Tallinn University of Technology (TUT) <a href="http://www.ttu.ee">www.ttu.ee</a>	FP7-ICT- SAFROS
University of Tartu <a href="http://www.ut.ee">www.ut.ee</a>	“Conceptual Framework for Increasing Society’s Commitment in ICT”/Estonia National Programme “Supporting the Development of R&D”
<b>FINLAND</b>	
University of Helsinki <a href="http://www.helsinki.fi">www.helsinki.fi</a>	FP7–SCIENCE IN SOCIETY–Pathway Project
<b>FRANCE</b>	
École Normale Supérieure (ENS) de Cachan <a href="http://www.ens-cachan.fr">www.ens-cachan.fr</a>	LLP/Erasmus Bilateral Agreement
IUFM d'Aix-Marseille <a href="http://www.aix-mrs.iufm.fr">www.aix-mrs.iufm.fr</a>	Memorandum of Cooperation LLP/Erasmus Bilateral Agreement
Université de Provence Aix Marseille I <a href="http://www.univ-provence.fr">www.univ-provence.fr</a>	Socrates/Comenius 2.1, TERECoP Project Erasmus Bilateral Agreement
UCO-Association Saint-Yves <a href="http://www.uco.fr">http://www.uco.fr</a>	Accord-Cadre LLP/Erasmus Bilateral Agreement
<b>FYROM</b>	
Ss. Cyril and Methodius University, Skopje	FP7-ENERGY-SEETSOC
<b>GERMANY</b>	
Aachen University of Applied Sciences <a href="http://www.fh-aachen.de">www.fh-aachen.de</a>	Socrates/Comenius 2.1, SEE EU Tool
University of Bayreuth <a href="http://www.uni-bayreuth.de">www.uni-bayreuth.de</a>	FP7–SCIENCE IN SOCIETY–Pathway Project
Humboldt-Universität zu Berlin <a href="http://www.hu-berlin.de">www.hu-berlin.de</a>	FP7–SCIENCE IN SOCIETY–Pathway Project
Ludwigsburg University of Education <a href="http://www.ph-ludwigsburg.de">www.ph-ludwigsburg.de</a>	FP7–SCIENCE IN SOCIETY–Pathway Project
University of Karlsruhe (UniKarl) <a href="http://www.uni-karlsruhe.de">www.uni-karlsruhe.de</a>	FP7-ICT- SAFROS
University of Koblenz-Landau, ZEPF <a href="http://www.uni-koblenz-landau.de">www.uni-koblenz-landau.de</a>	LLP/Comenius, School Inclusion
<b>GREECE</b>	
National & Kapodistrian University of Athens <a href="http://www.uoi.gr">www.uoi.gr</a>	Joint M.A. in Subject Didactics and New Technologies NSFR 2007-13 “Education and Lifelong Learning/Teacher Training”
National Technical University <a href="http://www.ntua.gr">www.ntua.gr</a>	FP7-ENERGY-SEETSOC
University of Pireus <a href="http://www.unipir.gr">www.unipir.gr</a>	EPEAEK, E2-Technical & Voc. Education NSFR 2007-13 “Education and Lifelong

	Learning/Teacher Training”
Harokopio University <a href="http://www.hua.gr">www.hua.gr</a>	LLP/Comenius Multilateral Projects-TRACON
<b>IRELAND</b>	
Dublin City University <a href="http://www.dcu.ie">www.dcu.ie</a>	FP7–SCIENCE IN SOCIETY–Pathway Project
<b>ITALY</b>	
Universita degli Studi di Enna “Kore” <a href="http://www.unikore.it">www.unikore.it</a>	LLP/Erasmus Bilateral Agreement
Universita degli Studi di Trieste <a href="http://www.units.it">www.units.it</a>	LLP/Erasmus Bilateral Agreement
Universita Telematica Internazionale <a href="http://www.uninettunouniversity.net">www.uninettunouniversity.net</a>	LLP/Erasmus Bilateral Agreement
Politecnico di Torino <a href="http://www.polito.it">www.polito.it</a>	LLP/Erasmus Bilateral Agreement
UCSC-Milan <a href="http://www.unicattolica.it">www.unicattolica.it</a>	Research Project Mediappro
Universita degli Studi di Padova <a href="http://www.unipd.it">www.unipd.it</a>	Socrates Comenius 2.1, TERECoP Project
Universita degli Studi di Verona <a href="http://www.univr.it">www.univr.it</a>	FP7-ICT- SAFROS
Istituto di Istruzione Superiore “Don L. Milani” <a href="http://www.itcgdonmilani.va.it">www.itcgdonmilani.va.it</a>	LLP-KA1- “I Am not Scared” Project
<b>LITHUANIA</b>	
Kaunas University of Technology <a href="http://www.ktu.lt">www.ktu.lt</a>	LLP-KA1- “I Am not Scared” Project
Klaipeda State College <a href="http://www.kvk.lt">www.kvk.lt</a>	LLP/Erasmus Bilateral Agreement
<b>POLAND</b>	
Opole University of Technology <a href="http://www.po.opole.pl">www.po.opole.pl</a>	LLP/Erasmus Bilateral Agreement
Kujawy and Promorze University in Bydgoszcz <a href="http://www.kpsw.edu.pl">www.kpsw.edu.pl</a>	Memorandum of Cooperation Erasmus Bilateral Agreement
PWSZ in Glogow <a href="http://www.pwsz.glogow.pl">www.pwsz.glogow.pl</a>	Memorandum of Cooperation LLP/Erasmus Bilateral Agreement
PWSZ in Nysa <a href="http://pwsz.nysa.pl">http://pwsz.nysa.pl</a>	LLP/Erasmus Bilateral Agreement
<b>PORTUGAL</b>	
ESE/UALG University of Algarve <a href="http://www.ualg.pt">www.ualg.pt</a>	Research Project Mediappro LLP/Erasmus Bilateral Agreement
Instituto Politecnico de Bragança (IPB) <a href="http://www.ipb.pt">www.ipb.pt</a>	LLP/Erasmus Bilateral Agreement
Instituto Piaget, Lisbon <a href="http://www.ipiaget.org">www.ipiaget.org</a>	LLP/Erasmus Bilateral Agreement
Instituto Superior da Maia (ISMAI) <a href="http://www.ismai.pt">www.ismai.pt</a>	LLP/Erasmus Bilateral Agreement
<b>ROMANIA</b>	
Transilvania University of Brasov <a href="http://www.unitbv.ro">www.unitbv.ro</a>	Socrates/Comenius 2.1, SEE EU Tool LLP/Erasmus Bilateral Agreement
Universitatea Tehnica de Constructii, Bucuresti <a href="http://www.utcb.ro">www.utcb.ro</a>	LLP/Erasmus Bilateral Agreement

University Of Pitesti <a href="http://www.upit.ro">www.upit.ro</a>	Socrates/Comenius 2.1, TERECoP Project
Polytechnic University of Bucharest (UPB) <a href="http://www.pub.ro">www.pub.ro</a>	FP7-ENERGY-SEETSOC
Ministry of Economy, Commerce and Business Environment, RO <a href="http://www.minind.ro">www.minind.ro</a>	Memorandum of Understanding (MOU)
<b>SERBIA</b>	
University of Belgrade (UB) <a href="http://www.bg.ac.rs">www.bg.ac.rs</a>	FP7-ENERGY-SEETSOC
<b>SLOVAKIA</b>	
Comenius University, Bratislava <a href="http://www.uniba.sk">www.uniba.sk</a>	LLP/Erasmus Bilateral Agreement
<b>SPAIN</b>	
Universitat de Barcelona <a href="http://www.ub.edu">www.ub.edu</a>	FP7–SCIENCE IN SOCIETY–Pathway Project
Universidad de Jaen <a href="http://www.ujaen.es">www.ujaen.es</a>	LLP/Erasmus Bilateral Agreement
Public University of Navarra <a href="http://www.unavarra.es">www.unavarra.es</a>	Socrates/Comenius 2.1, TERECoP Project
Universidad de Sevilla <a href="http://www.us.es">www.us.es</a>	LLP-KA1- “I Am not Scared” Project
Universidad Polit�cnica de Valencia <a href="http://www.upv.es">www.upv.es</a>	LLP/Erasmus Bilateral Agreement
<b>SWITZERLAND</b>	
�cole Polytechnique F�d�rale de Lausanne <a href="http://www.epfl.ch">www.epfl.ch</a>	FP7-ICT- SAFROS
<b>THE NETHERLANDS</b>	
Delft University of Technology <a href="http://www.tudelft.nl">www.tudelft.nl</a>	Socrates/Comenius 2.1, SEE EU Tool
Technische Universiteit Eindhoven <a href="http://www.tue.nl">www.tue.nl</a>	LLP/Erasmus Bilateral Agreement
<b>TURKEY</b>	
Karabuk University <a href="http://www.karabuk.edu.tr">www.karabuk.edu.tr</a>	LLP/Erasmus Bilateral Agreement
Maltepe University <a href="http://www.maltepe.edu.tr">www.maltepe.edu.tr</a>	LLP/Erasmus Bilateral Agreement
Yildiz University <a href="http://www.eu.yildiz.edu.tr">www.eu.yildiz.edu.tr</a>	LLP/Erasmus Bilateral Agreement
<b>UNITED KINGDOM</b>	
Birkbeck University of London <a href="http://www.bbk.ac.uk">www.bbk.ac.uk</a>	LLP/Erasmus Bilateral Agreement
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University of Cambridge <a href="http://www.cam.ac.uk">www.cam.ac.uk</a>	FP7–SCIENCE IN SOCIETY–Pathway Project
City University, London <a href="http://www.city.ac.uk">www.city.ac.uk</a>	FP7-ENERGY-SEETSOC
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