

## 24. UA: Україна (Ukraine)

**Coordinating author:** Andriy ZYNOVCHENKO (EAEIE, Priazovskyi State Technical University, Mariupol, and Universität Ulm, Deutschland, andriy.zynovchenko@e-technik.uni-ulm.de)

**Other contributors:** Oleksandr ZYNOVCHENKO (EAEIE, Priazovskyi State Technical University, Mariupol, aazyn@yahoo.com), Yuriy SAYENKO (Priazovskyi State Technical University, Mariupol)

*Review: Jan LIGUŠ (EAEIE, Technical University of Košice, Slovakia)*

### 24.1. General information



The structure of the higher education of Ukraine was built according to the structure of education in the developed countries of the world as determined by UNESCO, UN and other international organizations. The higher education constitutes integral part of the system of education of Ukraine as provided for by the Law of Ukraine "On Education".

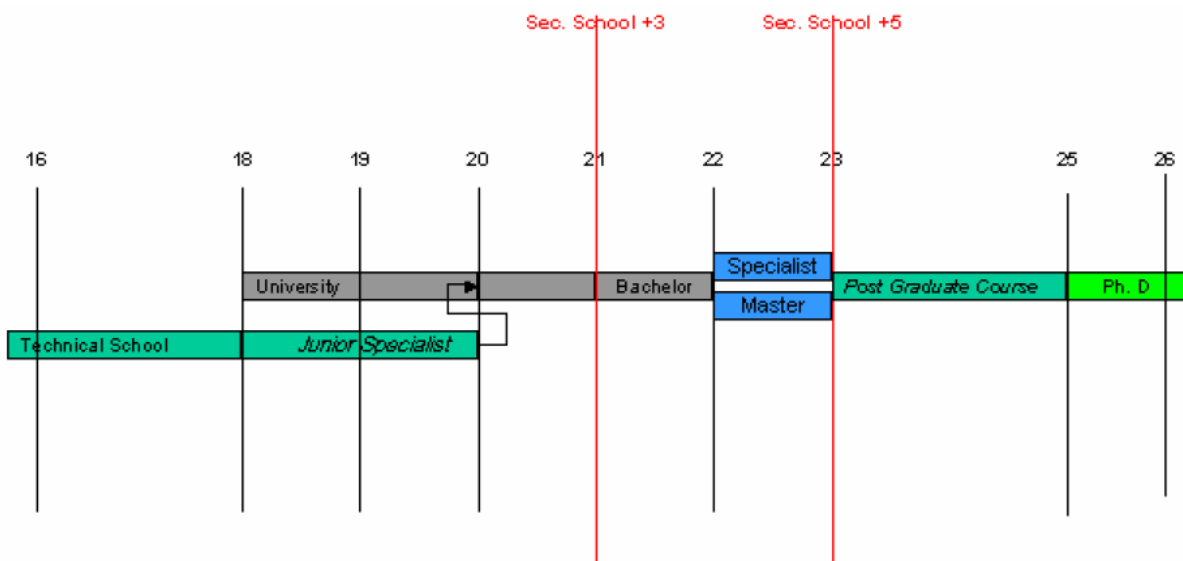


Figure 24.1: Ukrainian Higher Education System in EIE disciplines

Training of specialists in higher educational institutions may be carried out full-time or part-time (evening, correspondence education), by combining these two forms or, for certain professions, without attending classes.

Diplomas in EIE-specialities can be obtained from a Technical School, from an Institute or from a University. The structure of educational institutions of Ukraine is presented below:

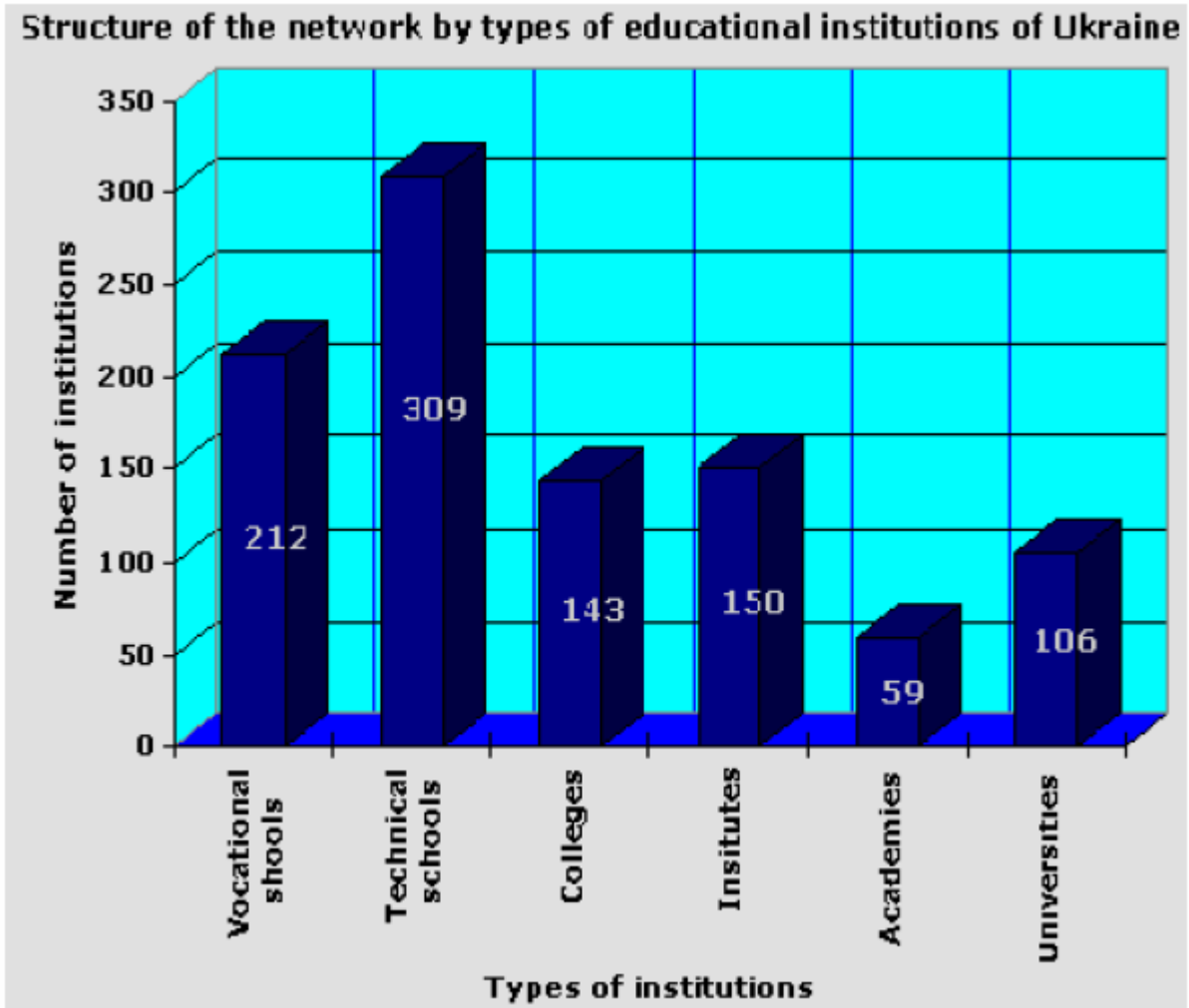


Figure 24.2: The structure of educational institutions of Ukraine

#### 24.1.1 Electrical and Information Engineering in Ukraine, boundaries of the field of study

In Ukraine there are three main disciplinary fields:

- Electrical Engineering (including varieties)
- Informatics (with varieties)
- Automatics and Control in various technical fields

*24.1.2 List of general EIE specialities:*

- Computer Systems and Networks
- Information Control Systems and Technologies
- Software of Automated Systems
- Computer Science
- Electromechanical systems of Automation and Electric Drive
- Electrical Engineering Systems of Power Consumption
- Radioelectronic Devices, Systems and Complexes
- Electronic Systems
- Radio Engineering
- Manufacturing of Radio Electronic Devices
- Radio Communication, Broadcasting and TV Equipment
- Information Technologies
- Microelectronics and Semiconductor Devices
- Dedicated Computer Systems
- Power Stations
- Radiophysics and Electronics
- Electric Machines and Apparatus
- Telecommunication Systems and Networks
- Electric Systems and Networks
- System Programming
- Technologies and Telecommunication Means
- Electric Machines and Apparatus
- Power Engineering in Agriculture
- Household Electronic Appliances
- Thermoelectric Power Stations
- Flexible Computer Systems and Robotics
- Robotized Systems and Complexes
- Information Communication Networks
- Electronic Home Appliances
- Atomic Power Engineering

*24.1.3 Content, degrees and accreditation*

The curriculum of diplomas is defined as follows:

- Obligatory part (1/3 of the whole curriculum) is defined by the Ministry of Education and Science of Ukraine.
- 1/3 part of the curriculum is defined by the University Council.
- 1/3 part of the curriculum for the concrete speciality is defined by the department leading this speciality and then approved by the University Council.

*24.1.4 Implementation of the Bologna-BMD system in Ukraine*

There is a negligible number of students who graduate with the 4-year Bachelor diploma, so it can be considered the system implemented in Ukraine is close to the Bologna-BMD system.

## 24.2. Figures on the weight of EIE in Ukraine

The structure of the students' admission by areas of training is shown.

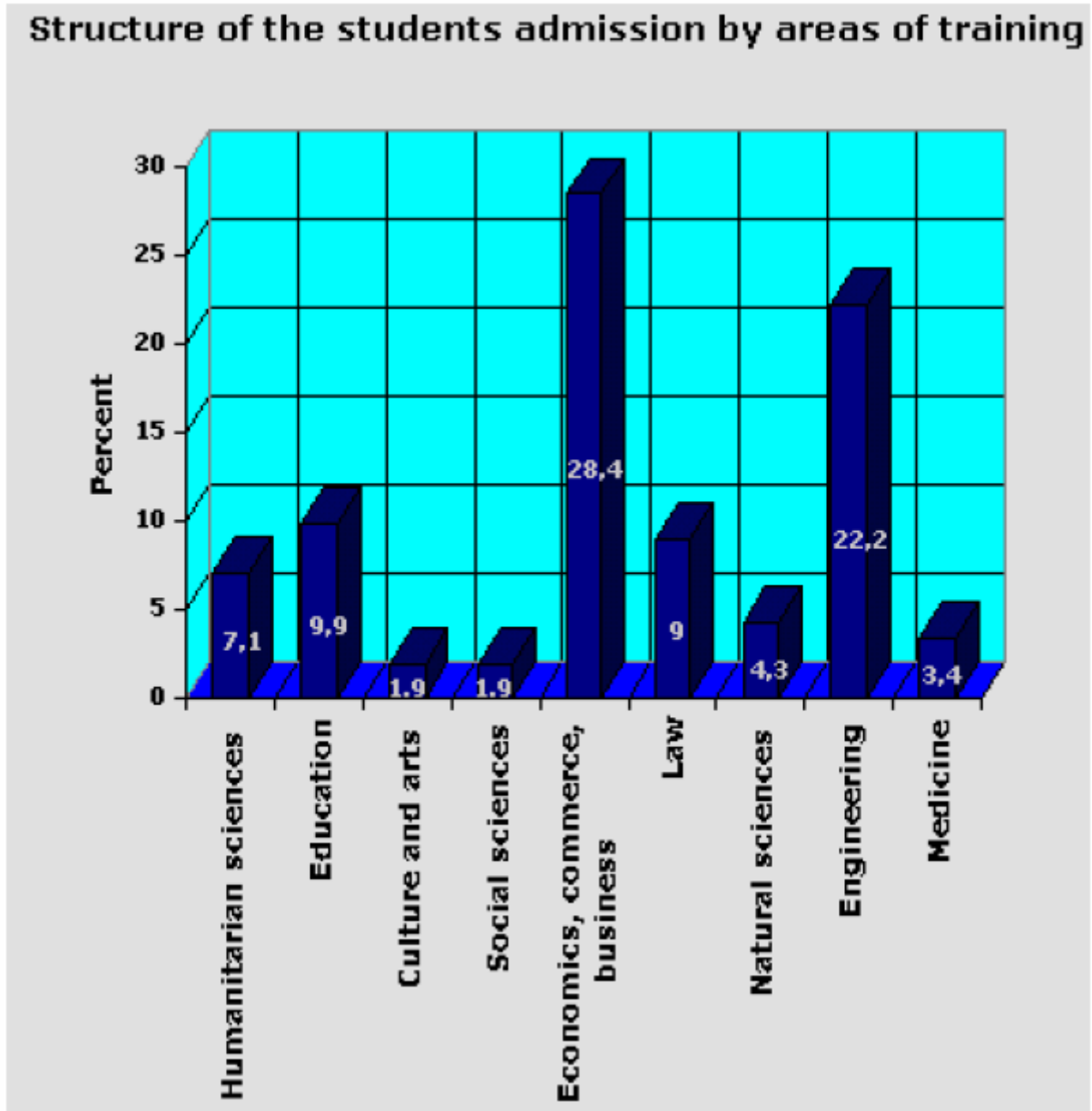


Figure 24.3: The structure of the students' admission by areas of training

EIE subjects are also found in the curricula of some specialities other than EIE specialities.

### **24.3. Degrees in EIE in Ukraine**

- Secondary school + 3 years: Junior Specialist degree in one of the specialities listed in 24.3.2.
- Secondary school + 4 years: Bachelor degree in one of the specialities listed in 24.3.2.
- Secondary school + 5 years: Specialist or Master degree in one of the specialities listed in 24.3.2.

Remarks:

1. The overwhelming majority of students continue their studies after having obtained the Bachelor's degree in order to get the Master's or Specialist's Degree.
2. The exact title of a 5 year degree (Specialist or Master) is different in different institutions. In industry all these degrees have nearly the same value.

In each of the specialties listed below a student can obtain either Junior Specialist or Bachelor, Specialist or Master degree. The Specialist and Master degrees can be awarded only after the Bachelor degree has been earned. Educational institutions giving only Junior Specialist or only Bachelor degree are usually not independent, but they are integrated in one or another high school giving Specialist or Master degree. That is why such educational institutions and high schools can be considered together as a single whole.

All percentages below are given related to a whole degree curriculum taken as 100%.

#### **24.3.1 General elements, social and behavioural skills**

Curricula percentages in general elements and social and behavioural skills are equal across all of the listed specialties, but are different for different degrees.

- Junior Specialist degree: Foreign language 5%; social sciences 13%; projects 10%; industrial training period 15%.
- Bachelor, Specialist, Master degrees: Foreign language 7%; social sciences 13%; projects 15%; industrial training period 12%.

#### **24.3.2 EIE Specialties.**

Percentages in EIE-curricula are equal across Junior Specialist, Bachelor, Specialist and Master degrees, but are different for different specialties.

Computer Systems and Networks: Informatics/Computer 28%; Networks 14%; Electronics 7%; Telecommunications 7%;

Information Control Systems and Technologies: Informatics/Computer 18%; Telecommunications 15%; Networks 10%; Electronics 12%;

## EIE-Surveyor

Software of Automated Systems: Informatics/Computer 18%; Telecommunications 15%; Networks 10%; Electronics 12%;

Computer Science: Informatics/Computer 28%; Networks 14%; Electronics 7%; Telecommunications 7%;

Electromechanical systems of Automation and Electric Drive: Informatics 7%; Electrical networks 8%; Electronics 9%; Automation 10%; Electrical engineering and electrical equipments 21%;

Electrical Engineering Systems of Power Consumption: Informatics 7%; Electrical networks 8%; Electronics 9%; Automation 10%; Electrical engineering and electrical equipments 21%;

Radio Electronic Devices, Systems and Complexes: Informatics/Computer 12%; Networks 9%; Electronics 22%; Telecommunications 12%;

Electronic Systems: Informatics/Computer 12%; Networks 9%; Electronics 22%; Telecommunications 12%;

Radio Engineering: Informatics/Computer 12%; Networks 9%; Electronics 22%; Telecommunications 12%;

Manufacturing of Radio Electronic Devices: Informatics/Computer 12%; Networks 9%; Electronics 22%; Telecommunications 12%;

Radio Communication, Broadcasting and TV Equipment: Informatics/Computer 12%; Networks 9%; Electronics 22%; Telecommunications 12%;

Information Technologies: Informatics/Computer 28%; Networks 14%; Electronics 7%; Telecommunications 7%;

Microelectronics and Semiconductor Devices: Informatics/Computer 12%; Networks 9%; Electronics 22%; Telecommunications 12%;

Dedicated Computer Systems: Informatics/Computer 28%; Networks 14%; Electronics 7%; Telecommunications 7%;

Power Stations: Informatics 7%; Electrical networks 8%; Electronics 9%; Automation 10%; Electrical engineering and electrical equipments 21%;

Radio physics and Electronics: Informatics/Computer 12%; Networks 9%; Electronics 22%; Telecommunications 12%;

Electric Machines and Apparatus: Informatics 7%; Electrical networks 8%; Electronics 9%; Automation 10%; Electrical engineering and electrical equipments 21%;

Telecommunication Systems and Networks: Informatics/Computer 18%; Telecommunications 15%; Networks 10%; Electronics 12%;

Electric Systems and Networks: Informatics 7%; Electrical networks 8%; Electronics 9%; Automation 10%; Electrical engineering and electrical equipments 21%;

System Programming: Informatics/Computer 28%; Networks 14%; Electronics 7%; Telecommunications 7%;

Technologies and Telecommunication Means:

Electric Machines and Apparatus: Informatics 7%; Electrical networks 8%; Electronics 9%; Automation 10%; Electrical engineering and electrical equipments 21%;

Power Engineering in Agriculture: Informatics 7%; Electrical networks 8%; Electronics 9%; Automation 10%; Electrical engineering and electrical equipments 21%;

## EIE-Surveyor

Household Electronic Appliances: Informatics/Computer 12%; Networks 9%; Electronics 22%; Telecommunications 12%;

Thermoelectric Power Stations: Informatics 7%; Electrical networks 8%; Electronics 9%; Automation 10%; Electrical engineering and electrical equipments 21%;

Flexible Computer Systems and Robotics: Informatics/Computer 11%; Networks 7%; Electronics 12%; Automation 14%; Electrical engineering 12%;

Robotized Systems and Complexes: Informatics/Computer 11%; Networks 7%; Electronics 12%; Automation 14%; Electrical engineering 12%;

Information Communication Networks:

Electronic Home Appliances: Informatics/Computer 12%; Networks 9%; Electronics 22%; Telecommunications 12%;

Atomic Power Engineering: Informatics 7%; Electrical networks 8%; Electronics 9%; Automation 10%; Electrical engineering and electrical equipments 21%.

## **24.4. References**

The information given in this monograph is based on the following documents and web links:

Ministry of Education and Science of Ukraine <http://www.education.gov.ua>





## **24.5. Doctoral Studies in Ukraine**

### **24.5.1. Supervision**

#### ***Scientific Board or Supervisor***

Scientific board appointed by the head of the Department. The student, in most cases, has the same personal supervisor during its thesis work on an active research area of the supervisor.

#### ***Subject Assignment***

Subject assigned at the beginning of the doctoral studies, by agreement between student and supervisor.

#### ***Who can be a Supervisor***

Any professor or lecturer in the department.

#### ***Tasks of Scientific Board/Supervisor***

- |    |                                    |     |
|----|------------------------------------|-----|
| 1. | General management                 | NO  |
| 2. | Deciding/advising layout of course | YES |
| 3. | Assigning a thesis subject         | NO  |

#### ***Duration***

Four years.

## **24.5.2. Development**

### ***Courseware?***

Yes.

### ***Course Work***

1. The students have to take course work during their doctoral degree preparation. The course work is assessed by examinations and is offered as specialist graduate course units.
2. Extension: no information mentioned.
3. Credit system: not ECTS.
4. Monitoring of the doctoral student. In case of failure the student must retake the exam or take a different course unit.

### ***Contribution to Teaching***

1. Supervision of undergraduate laboratory work.
2. Teaching of undergraduate students.

### ***Presentation of Work***

1. In the department.
2. At national conferences.
3. At international conferences.

### **24.5.3. Thesis Work**

#### **Submission of Doctoral Written Thesis**

1. Languages normally used: Ukrainian or Russian. Alternative language: English.
2. There are credits allocated to the doctoral thesis.
3. The doctoral thesis is a previously unpublished substantial written report or a collection of individual or co-authored scientific papers with an introduction and/or commentary.

#### **Oral Presentation of Thesis Work**

1. Languages normally used: Ukrainian or Russian. Alternative language: English.
2. Oral presentation with oral examination for an open/public audience.
3. Duration: typical duration of 2 hours including examination with no upper time limit.

### **24.5.4. Examination**

#### **Thesis Examination Board**

1. Composition: three internal examiners and three external examiners (six members).
2. Selection by the supervisor and/or by the scientific committee of the institution.

#### **Evaluation**

1. Result based on the reading of the thesis and the oral presentation of the thesis work, with no grading system.
2. If the student fails, he/she may resubmit a revised thesis or do further work as specified by the examination board.

## 24.6. Questionnaires

### *Ukraine*

#### 3 – ACTIVITIES DURING DOCTORAL STUDIES

##### 3.1- SUPERVISION OF DOCTORAL STUDIES

- |                |   |               |
|----------------|---|---------------|
| <b>3.1.1</b>   | Are the doctoral studies supervised by a Scientific Board/supervisor? If no, please proceed to 3.1.5. | <u>YES/NO</u> |
| <b>3.1.2</b>   | <b>How many members are in the Scientific Board?</b>  |               |
| <b>3.1.3</b>   | How are the members of the Scientific Board chosen?   |               |
| <b>3.1.3.1</b> | Elected by the Faculty, Department?   | <u>Y/N</u>    |
| <b>3.1.3.2</b> | Chosen by the student?  | <u>Y/N</u>    |
| <b>3.1.3.3</b> | Chosen in another way? Please specify:<br><br>Appointed by the head of the department.                | <u>Y/N</u>    |
| <b>3.1.4</b>   | Which are the main tasks of the Scientific Board/ Supervisor?   |               |
| <b>3.1.4.1</b> | General management of the doctoral studies.   | <u>Y/N</u>    |
| <b>3.1.4.2</b> | Deciding the layout of the course, advising the students on their coursework.                         | <u>Y/N</u>    |
| <b>3.1.4.4</b> | Assigning the thesis subject.   | <u>Y/N</u>    |
| <b>3.1.4.5</b> | Other. Please specify:  |               |
| <b>3.1.5</b>   | Does the student need a personal supervisor during her/his studies?                                   | <u>Y/N</u>    |
| <b>3.1.5.1</b> | Does the same person supervise her/his thesis work?   | <u>Y/N</u>    |
| <b>3.1.6</b>   | Must the subject of the doctoral thesis be an active research area in the department?                 | <u>Y/N</u>    |

3.1- SUPERVISION OF DOCTORAL STUDIES

3.1.7 The doctoral thesis subject is normally assigned:

3.1.7.1 At the beginning of the doctoral studies? Y/N

3.1.7.2 After a specified period of coursework? Y/N

3.1.7.3 Other. Please specify: Y/N

3.1.8 The thesis supervisor of a doctoral student can be:

3.1.8.1 Any professor or lecturer in the department? Y/N

3.1.8.2 Any researcher in the department? Y/N

3.1.8.2.1 In this case, is there a need for a second supervisor who is a professor or lecturer in the department? N

3.1.8.3 Any researcher in another institution? Y/N

3.1.8.3.1 In the latter case, is there a need for an internal supervisor? Y/N

3.1.8.4 Other methods. Please specify: Y/N

3.1.9 The thesis subject is assigned by:

3.1.9.1 Agreement between the student and the proposed supervisor? Y/N

3.1.9.2 Other methods. Please specify:

The thesis subject must be approved by the Scientific Board.

3.2- COURSE WORK

3.2.1 Do the students have to take coursework during their doctoral degree preparation? If no, please proceed to 3.3. Y/N

3.2.2 **Extension and assessment.**

3.2.2.1	What is the number of contact hours spent in coursework in each year?	Year 1	Year 2	Year 3
		30 hrs	15 hrs	hrs

## 3.2- COURSE WORK

**3.2.2.2 In which form is this coursework offered?**

- As specialist graduate course units. Y
- As course units taken from the undergraduate programme. N
- Other. Please specify.

**3.2.2.3** Is the coursework assessed by examinations?  
If not, please give details: Y/N

**3.2.3 Credit system**

**3.2.3.1** Is the coursework in your institution described by a credit system? Y/N

**3.2.3.2** Is it the ECTS system? Y/N

If not, what is the relationship with ECTS?

**3.2.3.3** How many credits are allocated to coursework? **credits**

**3.2.4 Monitoring**

**3.2.4.1** Do you monitor the performance of the doctoral student taking coursework? Y/N

**3.2.4.2 What regulations apply in case of failure in one or more course units?**

- Retake the exam. Y/N
- Take a different course unit. Y/N

## 3.3- PRESENTATION OF WORK RESULTS:

**3.3.1** In the department. Y/N

**3.3.2** At national conferences. Y/N

**3.3.3** At international conferences. Y/N

## 3.4- CONTRIBUTION TO TEACHING:

**3.4.1** Supervision of undergraduate laboratory. Y/N

**3.4.2** Teaching undergraduate courses. Y/N

**4 - AWARDING OF DOCTORAL DEGREE**

4.1- SUBMISSION OF DOCTORAL THESIS

<b>4.1.1</b>	Which language is normally used for the thesis?	Ukrainian or Russian
<b>4.1.2</b>	Are alternative languages used for the thesis? Please Specify: <b>English.</b>	<u>Y/N</u>
<b>4.1.3</b>	Which language is normally used for the oral presentation and/or examination?	Ukrainian or Russian
<b>4.1.4</b>	Are alternative languages used in the oral presentation and examination? Please Specify: <b>English.</b>	YES/NO
<b>4.1.5</b>	Are credits allocated to the doctoral thesis?	<u>Y/N</u>
<b>4.1.6</b>	<b>The doctoral thesis is:</b>	
<b>4.1.6.1</b>	A previously unpublished substantial written report.	<u>Y/N</u>
<b>4.1.6.2</b>	A collection of individual or co-authored scientific papers with an introduction and/or commentary.	<u>Y/N</u>
<b>4.1.6.3</b>	Other. Please specify:	

4.2- THESIS EXAMINATION AND DEGREE AWARDING

<b>4.2.1</b>	Is there an oral presentation of the thesis work for an open audience as part of the evaluation procedure?	<u>YES/NO</u>
<b>4.2.2</b>	Composition of the thesis examination board. Please, give the typical number of:	
<b>4.2.2.1</b>	Internal examiners.	3
<b>4.2.2.2</b>	External examiners.	3
<b>4.2.2.3</b>	TOTAL.	6

4.2- THESIS EXAMINATION AND DEGREE AWARDING

<b>4.2.3</b>	How is the examination board chosen?	
<b>4.2.3.1</b>	By the supervisor.	<u>Y/N</u>
<b>4.2.3.2</b>	By the scientific committee of the institution.	<u>Y/N</u>
<b>4.2.3.3</b>	By the rector or equivalent.	<u>Y/N</u>
<b>4.2.3.4</b>	By the national ministry.	<u>Y/N</u>
<b>4.2.3.5</b>	Other. Please specify:	
<b>4.2.4</b>	Do the examiners base their evaluation mark on:	
<b>4.2.4.1</b>	Reading the thesis.	<u>Y/N</u>
<b>4.2.4.2</b>	The oral presentation of the thesis work.	<u>Y/N</u>
<b>4.2.4.3</b>	Both.	
<b>4.2.4.4</b>	What is the typical duration of the oral part of the thesis examination, if applicable?	20'
<b>4.2.4.5</b>	Is there an upper limit to the duration of the thesis examination?	<u>Y/N</u>
<b>4.2.5</b>	Is the oral part of the examination taken behind closed doors?	<u>Y/N</u>
<b>4.2.6</b>	What happens if the student fails?	
<b>4.2.6.1</b>	May not resubmit for doctorate.	
<b>4.2.6.2</b>	May resubmit revised thesis.	<u>Y/N</u>
<b>4.2.6.3</b>	May do further work as specified by examination board.	<u>Y/N</u>
<b>4.2.6.4</b>	If the thesis is to be re-submitted is there a time limit for this to occur? Please specify:	<u>Y/N</u>
<b>4.2.7</b>	Is there a grading system for the doctoral degree based on the quality of the work?	<u>Y/N</u>



**UA: Україна (Ukraine)**

Table 24.1. : Table of institutions in the field of EIE in Ukraine

<b>City</b>	<b>Institution</b>	<b>http address</b>
Mykolajiv	Admiral Makarov Ukrainian State Maritime Technical University	<a href="http://www.usmtu.edu.ua">http://www.usmtu.edu.ua</a>
Cherkassy	Cherkassy Engineering-Technological Institute	<a href="http://www.cheti.uch.net">http://www.cheti.uch.net</a>
Chernihiv	Chernihiv State Technological University	<a href="http://www.stu.cn.ua">http://www.stu.cn.ua</a>
Simferopol	Crimean State Industrial-Pedagogical Institute	<a href="mailto:rector@csipi.simfi.net">rector@csipi.simfi.net</a>
Dniepropetrovsk	Dniepropetrovsk National University	<a href="http://www.dsu.dp.ua">http://www.dsu.dp.ua</a>
Dniepropetrovsk	Dniepropetrovsk State Technical University of Railway Transport	<a href="http://www.djit.edu.ua/">http://www.djit.edu.ua/</a>
Dnieprodzerzhynsk	Dniprodzerzhinsk State Technical University	<a href="http://www.dstu.dp.ua">http://www.dstu.dp.ua</a>
Alchevsk	Donbass Mining and Metallurgical Institute	<a href="http://www.dmmi.edu.ua">http://www.dmmi.edu.ua</a>
Kramatorsk	Donbass State Engineering Academy	<a href="http://dgma.virtualave.net/index.htm">http://dgma.virtualave.net/index.htm</a>
Donetsk	Donetsk National University	<a href="http://www.Dongu.Donetsk.ua">http://www.Dongu.Donetsk.ua</a>
Donetsk	Donetsk State Institute of Artificial Intelligence	<a href="http://www.iai.donetsk.ua">http://www.iai.donetsk.ua</a>
Donetsk	Donetsk State Technical University(DonSTU)	<a href="http://www.dgtu.donetsk.ua">http://www.dgtu.donetsk.ua</a>
Drohobych	Drohobych Ivan Franko State Teacher Training University	<a href="http://www.drohobych.net">http://www.drohobych.net</a>
Luhansk	East-Ukrainian National University	<a href="mailto:uni@vugu.lugansk.ua">uni@vugu.lugansk.ua</a>
Kremen-chuk	Institute for Economics and Advanced Technologies	<a href="mailto:ksa@ient.poltava.ua">ksa@ient.poltava.ua</a>
Lviv	Institute of Business and Innovative Technologies	<a href="mailto:ippt@polynet.lviv.ua">ippt@polynet.lviv.ua</a>
Zaporizhia	Institute of Economics and Information	<a href="http://www.econom.zp.ua">http://www.econom.zp.ua</a>
Kyiv	International Science and Technology University	<a href="http://www.ifistu.var.net/text:ua">http://www.ifistu.var.net/text:ua</a>
Kyiv	International Solomon University	<a href="mailto:univer@solomon-un.kiev.ua">univer@solomon-un.kiev.ua</a>
Lviv	Ivan Franko National University of Lviv	<a href="http://www.franko.lviv.ua">http://www.franko.lviv.ua</a>

<b>City</b>	<b>Institution</b>	<b>http address</b>
Ivano- Frankivsk	Ivano-Frankivsk State Technical University of Oil and Gas	<a href="http://www.ifdtung.if.ua">http://www.ifdtung.if.ua</a>
Kharkiv	Kharkiv Air Force Institute	46, Volodarskogo St., Kharkiv, 61064, Ukraine
Kharkiv	Kharkiv Military University	6, Ploscha Svobody, Kharkiv, 61043, Ukraine
Kharkiv	Kharkiv National V.N. Karazin University	<a href="http://www.univer.kharkov.ua">http://www.univer.kharkov.ua</a>
Kharkiv	Kharkiv State Grygory Skovoroda Pedagogical University	<a href="http://www.kgpu2.sa.net.ua">http://www.kgpu2.sa.net.ua</a>
Kharkiv	Kharkiv State Municipal Academy	rectorat@ksame.kharkov.com
Kharkiv	Kharkiv State Technical Farm University	44, Artema St., Kharkiv, 61002, Ukraine
Kharkiv	Kharkiv State Technical University of Radio Electronics	<a href="http://www.kture.kharkov.ua">http://www.kture.kharkov.ua</a>
Kharkiv	Kharkiv State University of Economics	KSUE@KSUE.AC.Kharkov.ua
Kherson	Kherson State Pedagogical University	<a href="http://www.kspu.edu.ua">http://www.kspu.edu.ua</a>
Kherson	Kherson State Technical University	kstu@tie.kherson.ua
Kirovograd	Kirovograd State Technical University	25006, Kirovograd, Pravda Prospect, 70A, Ukraine
Kremen-chuk	Kremenchuk State Polytechnic University	<a href="http://www.polytech.poltava.ua">http://www.polytech.poltava.ua</a>
Kryvyj Rih	Kryvyj Rih Technical University	ktu@alba.dp.ua
Kyiv	Kyiv Institute of Communication of the Ukranian O.S. Popov State Academy of Communication (O.S.Popov Ukranian State Academy of Telecommunication)	c_a_c@mail.ru
Kyiv	Kyiv Military Institute of Control and Communications	<a href="http://kvirtu31.kiev.ua">http://kvirtu31.kiev.ua</a>
Kyiv	Kyiv National University of Constrution and Architecture	root@knoba.cdu-ua.net
Kyiv	Kyiv State University of Technologies and Design	<a href="http://www.kdutd.kiev.ua">http://www.kdutd.kiev.ua</a>

<b>City</b>	<b>Institution</b>	<b>http address</b>
Kyiv	Kyiv Taras Shevchenko National University	<a href="http://www.univ.kiev.ua">http://www.univ.kiev.ua</a>
Kyiv	Kyiv Technical School / KNUE (Kyiv National University of Economics /KNUE)	3, Verkhovynsta St., Kyiv, 04000, Ukraine
Lutsk	Lutsk State Technical University	<a href="http://www.vizor.lutsk.ua">http://www.vizor.lutsk.ua</a>
Lviv	Lviv State Agrarian University	<a href="mailto:lday@icmp.lviv.ua">lday@icmp.lviv.ua</a>
Lviv	Military Institute of the Lviv Polytechnic University	<a href="mailto:lvilp@cscd.lviv.ua">lvilp@cscd.lviv.ua</a>
Kharkiv	National Aerospace N.E.Zhukovskiy University "Kharkiv Aviation Institute"	<a href="mailto:khai@ai.kharkov.ua">khai@ai.kharkov.ua</a>
Kyiv	National Agricultural University	<a href="http://www.nauu.kiev.ua">http://www.nauu.kiev.ua</a>
Dniepro-petrovsk	National Metallurgical Academy of Ukraine	<a href="http://dmeti.dp.ua">http://dmeti.dp.ua</a>
Dniepro-petrovsk	National Mining University of Ukraine	<a href="http://nmuu.dp.ua">http://nmuu.dp.ua</a>
Kharkiv	National Technical University "Kharkiv Polytechnic Institute"	<a href="http://www.kpi.kharkov.ua">http://www.kpi.kharkov.ua</a>
Kyiv	National Technical University of Ukraine "Kyiv Polytechnic Institute"	<a href="http://www.ntu-kpi.kiev.ua">http://www.ntu-kpi.kiev.ua</a>
Lviv	National University "Lviv Polytechnic"	12, Bandery St., Lviv, 70046, Ukraine
Odessa	Odessa Hydrometeorological Institute	<a href="http://www.ogmi.farlep.odessa.ua">http://www.ogmi.farlep.odessa.ua</a>
Odessa	Odessa I.I. Mechnikov National University	<a href="mailto:oguint@paco.net">oguint@paco.net</a>
Odessa	Odessa State Academy of Refrigeration	<a href="http://www.osar.odessa.ua">http://www.osar.odessa.ua</a>
Odessa	Odessa State Maritime Academy	<a href="http://www.paco.net/~mar.orgma">http://www.paco.net/~mar.orgma</a>
Odessa	Odessa State Polytechnic University	<a href="http://www.ospu.odessa.ua">http://www.ospu.odessa.ua</a>
Kyiv	Open International University of Human Development "Ukraine"	Horyva St., 1-G, Kyiv, 04071, Ukraine
Odessa	O.S.Popov Ukrainian State Academy of Telecommunication	<a href="mailto:usat@usat.ukrtel.net">usat@usat.ukrtel.net</a>
Kamjanets- Podilski	Podilya State Agrarian and Engineering Academy	<a href="mailto:saea@kp.km.ua">saea@kp.km.ua</a>

<b>City</b>	<b>Institution</b>	<b>http address</b>
Poltava	Poltava Yu.Kondratyuk State Technical University	<a href="http://pstu.net.ua">http://pstu.net.ua</a>
Mariupol	Pryazovskyi State Technical University	<a href="http://www.pstu.edu">http://www.pstu.edu</a>
Rivne	Rivne State Humanitarian University	12, S.Bandera St., Rivne, 33028, Ukraine
Sevastopol	Sevastopol Institute of Nuclear Energy and Industry	<a href="http://nei.iuf.net">http://nei.iuf.net</a>
Sevastopol	Sevastopol Navy Institute	Sevastopol, 99035
Sevastopol	Sevastopol State Technical University	<a href="http://sevgtu.stel.sebastopol.ua">http://sevgtu.stel.sebastopol.ua</a>
Odessa	South Ukrainian "K.D.Ushynsky" State Teachers' Training University	<a href="mailto:rector@tm.odessa.ua">rector@tm.odessa.ua</a>
Sumy	Sumy State University	<a href="mailto:kanc@ssu.sumy.ua">kanc@ssu.sumy.ua</a>
Melitopol	Tavrida State Agrotechnical Academy	<a href="http://www.users.melitopol.net/~tsaa">http://www.users.melitopol.net/~tsaa</a>
Simferopol	Tavryda V.I.Vernadsky National University	<a href="http://www.ccssu.crimea.ua">http://www.ccssu.crimea.ua</a>
Khmelnysky	Technological University of Podillia	<a href="http://www.tup.km.ua">http://www.tup.km.ua</a>
Ternopil	Ternopil State Ivan Pul'uj Technical University	<a href="http://www.tu.edu.te.ua">http://www.tu.edu.te.ua</a>
Ivano- Frankivsk	The Carpatian Region V. Stefanyk University	<a href="http://www.pu.if.ua">http://www.pu.if.ua</a>
Kyiv	The National Aviation University	<a href="http://www.nau.kiev.ua">http://www.nau.kiev.ua</a>
Kyiv	The University of Kyiv-Mohyla Academy	<a href="http://www.ukma.kiev.ua">http://www.ukma.kiev.ua</a>
Dniepro-petrovsk	Ukrainian Academy of Customs	<a href="mailto:YIV@amsu.dnp.ukrpack.net">YIV@amsu.dnp.ukrpack.net</a>
Kharkiv	Ukrainian Engineering and Pedagogical Academy (UEPA)	<a href="http://www.uipa.Kharkov.org">http://www.uipa.Kharkov.org</a>
Dniepro-petrovsk	Ukrainian State University of Chemical Engineering	<a href="http://www.USUCE.8m.dp.ua">http://www.USUCE.8m.dp.ua</a>
Kyiv	Ukrainian State University of Food Technologies	<a href="http://www.usuft.kiev.ua">http://www.usuft.kiev.ua</a>
Lviv	Ukrainian State University of Forestry	<a href="mailto:ukrdltu@forest.lviv.ua">ukrdltu@forest.lviv.ua</a>
Kharkiv	University of Internal Affairs (Kharkiv)	<a href="mailto:pavalo@univd.kharkov.ua">pavalo@univd.kharkov.ua</a>
Uzhgorod	Uzhgorod State University	<a href="http://www.univ.uzhgorod.ua">http://www.univ.uzhgorod.ua</a>

<b>City</b>	<b>Institution</b>	<b>http address</b>
Poltava	V. Korolenko State Pedagogical University in Poltava	slpalm@kot.poltava.ua
Vinnytsia	Vinnytsia State Technical University	http://www.vstu.vinnica.ua
Kirovograd	V.Vinnijchenko Kirovograd State Pedagogical University	http://www.kspu.kr.ua
Chernivtsi	Yuriy Fed'kovijch Chernivtsi National University named after Yuriy Fedkovich	http://www.chnu.cv.ua
Zaporizhia	Zaporizhzhya State Technical University	http://www.zstu.zaporizhzhе.ua
Zaporizhia	Zaporozhia State Engineering Academy	http://www.zgia.zp.ua
Zhytomyr	Zhytomyr Institute of Engineering and Technology	http://www.ziet.zhitomir.ua
Zhytomyr	Zhytomyr State Pedagogical University named after Ivan Franko	http://www.zspu.edu.ua/

There are altogether 88 institutions of higher education offering diplomas in EIE-specialities.