

ROMANIA

MINISTRY OF EDUCATION AND RESEARCH PETROLEUM-GAS UNIVERSITY OF PLOIESTI¹⁾ DIPLOMA SUPPLEMENT

¹⁾ The Supplement is for diploma
series no.

1. INFORMATION IDENTIFYING THE HOLDER OF THE DIPLOMA

1.1a	Family name(s) of the birth certificate 	1.1b	Family name(s) (after marriage) (if applicable)
1.2a	Initial(s) of father's / mother's first name(s) 	1.2b	First name(s)
1.3a	Date of birth (year/month/day) 	1.3	Place of birth
Student enrolment number 		Personal identification number 	Year of enrolment 1.5 2022

2. INFORMATION IDENTIFYING THE QUALIFICATION

2.1	Name of qualification and title awarded Risk management and reliability engineering of petroleum systems/ MASTER		
2.2a	Field of study Mechanical Engineering	2.2b	Programme of study Risk management and reliability engineering of petroleum systems
2.3a	Name and status of awarding institution Petroleum – Gas University of Ploiesti – accredited public university	2.3b	Faculty administering the final examination Faculty of Mechanical and Electrical Engineering
2.4a	Name and status of institution administering studies (if different from 2.3a) 	2.4b	Faculty administering studies (if different from 2.3b)
2.5	Language(s) of instruction/ examination English		

3. INFORMATION ON THE LEVEL OF THE QUALIFICATION

3.1	Level of qualification Master studies - 7 ECF	3.2	Official length of the programme of study and number of ECTS/SECT credits 1.5 years (3 semesters) – 90 credits
3.3	Access requirement(s) Bachelor's degree or its equivalent and entrance examination		

4. INFORMATION ON THE CURRICULUM AND RESULTS GAINED

Mode of study

4.1

Full-time courses

Learning outcomes of the study programme

PROFESSIONAL COMPETENCES

1. Analysis, synthesis, making decisions and solving engineering problems based on knowledge acquired in the design and manufacture of petrochemical equipment;
2. Coordination of technical risk situations and specific maintenance activities for technical/technological systems ;
3. Identification and implementation of technological solutions and effective management on the specific engineering situations.
4. Specific engineering software operation and utilization of advanced manufacturing technologies of petrochemical equipment

4.2

TRANSVERSAL COMPETENCES

1. Team leader abilities
2. Information and research capacity in its ongoing activity, but also in related areas, both in mother tongue and in an international language.
3. Advanced knowledge of the computer, internet and software programs specific to electrical and electronic engineering.

Programme details and the individual grades / marks / number of ECTS/SECT obtained
(according to Faculty Student Records, volume no. 1/1165)

4.3

Accessing the Faculty Website: <https://www.fakultet.uni-wuerzburg.de/fakultet/index.php?id=111111>

No	Subject	Number of hours		Grade		Number of ECTS/SECT credits	
		C	S, LP, P	1 st sem	2 nd sem	1 st sem	2 nd sem
1 st year of study (2022 – 2023 academic year)							
1.	Ethics and academic integrity	14	-		-	4	-
2.	Theoretical and experimental research methodology	14	14		-	4	-
3.	Management of industrial technology	28	14		-	4	
4.	Corrosion of petroleum equipment	28	14		-	5	
5.	Management of industrial technology - project	-	28		-	4	
6.	Degradation processes of technical systems	28	14		-	5	
7.	Professional training 1	-	60		-	4	-
8.	Reliability of petroleum systems	28	14	-		-	6
9.	Quality engineering and management	28	28	-		-	7
10.	A. Monitoring and diagnosis of technological systems/ B. Security and technical risk	28	28	-		-	7
11.	Maintenance of petroleum systems	28	14	-		-	6
12.	Professional training 2	-	60	-		-	4
Pass, average grade per academic year ³⁰⁾							
Total ECTS/SECT credits:						60	
2 nd year of study (2023 – 2024 academic year)							
1.	A. Research&Development &Innovation management and technology transfer/ B. Flexible system for the manufacture of petroleum equipment	28	28		-	5	-
2.	A. Monitoring and diagnosis of technological systems- project B. Security and technical risk - project	-	28		-	4	-
3.	Integrity of petroleum systems	14	28		-	5	-
4.	Project management for petroleum systems	14	28		-	4	-
5.	Project management for petroleum systems - project	-	28		-	4	-
6.	Internship (for dissertation)	-	60		-	4	-
7.	Elaboration of dissertation paper	-	60		-	4	-

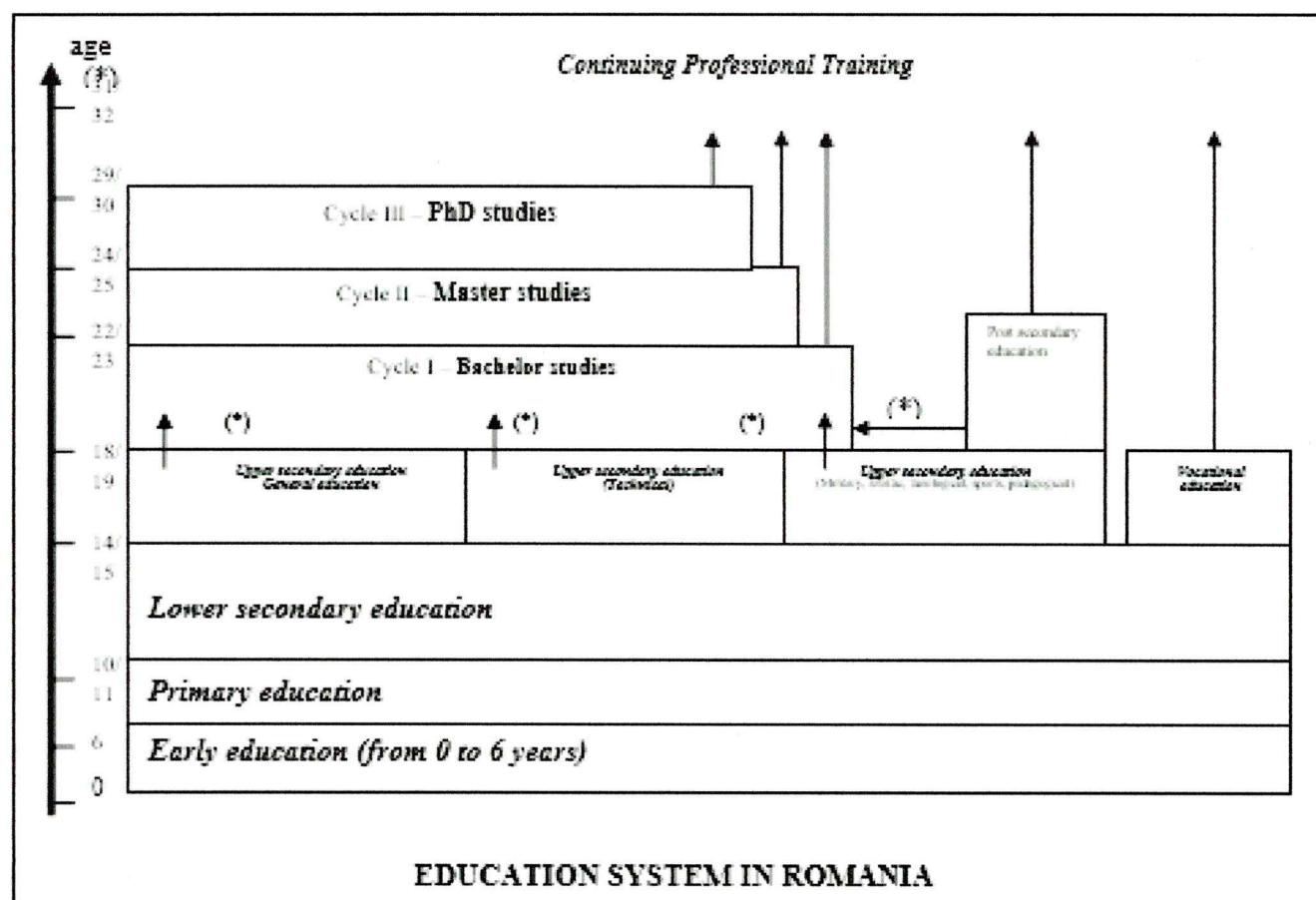
²The arithmetic mean of study years with two decimals and without rounding off.

³To be filled in by the institution administering studies.

Diploma supplement shall be printed on both sides of an A4 paper format and shall be numbered and stamped on each page on the right bottom corner (L.B.), with the same specimen from 7.6.

The point 4.3 "Programme details and the individual grades / marks / ECTS/ECT credits obtained (according to Faculty Student Records volume no. .../...)" will be completed with appropriate duration of university master's program or with the duration of regulated professions.

8. INFORMATION ON THE NATIONAL EDUCATION SYSTEM



EDUCATION SYSTEM IN ROMANIA

Overview of the national higher education system.

Access to higher education is based on the baccalaureate diploma (obtained at the end of upper secondary education) and access to master programmes is based on bachelor degree (Bd/BSs/BEng).

Bachelor studies (Bd/BSs/BEng) presuppose 180-240 credit points, calculated in accordance with the European Credit Transfer System (ECTS/ECT), and end with level 6 from the European Qualifications Framework for lifelong learning (EQF/CEC).

Master studies (MAd/MSc/MEng) presuppose 90-120 credit points, calculated in accordance with the European Credit Transfer System (ECTS/ECT) and ends with the level 7 EQF/CEC.

For professions regulated by European norms, regulations or good practices, bachelor (Bd/BSs/BEng) and master studies (MAd/MSc/MEng) can be provided as part of a 5 to 6 year full-time programme of study. These diplomas are recognised as master's degree certificates (the following fields of study are considered: Medicine - 360 ECTS, Dentistry - 360 ECTS, Pharmacy - 360 ECTS, Veterinary Medicine - 360 ECTS, Architecture - 360 ECTS and Urban Planning - 360 ECTS).

PhD studies result in a doctoral research thesis, while successful candidates are awarded a PhD diploma. Doctoral studies allow obtaining a qualification at level 8 EQF/CEC.

The Romanian higher education system is an open system. All Romanian accredited universities use the European Credit Transfer System (ECTS/ECT).

University programs can be organized, as appropriate, according to legal regulations, at the following forms of education: full time, part time and distance.

Universities also provide continuing professional training programmes based on the market demand.

* According to Law no. 1/2011