DIPLOMA SUPPLEMENT

The Diploma Supplement was developed by the European Commission, Council of Europe and by UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international transparency and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It is free from any value-judgements, equivalence statements or suggestions about recognition. Information is provided in eight sections. Where information is not provided, an explanation will give the reason why.

1 INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

1.1 Last Name

TKACH

1.2 First Name

DMYTRO

1.3 Date, place and county of Birth

Date of birth (dd/mm/yyyy)	*Place of birth*	*Country of birth*
11/06/1989	*MOSCA*	*RUSSIA*

1.4 Personal identification code

Student registration number	*Tax number*
444007	*TKCDYT89H11Z154E*

2 INFORMATION IDENTIFYING THE QUALIFICATION

2.1 Name of the qualification and title conferred

Degree awarded	*Title awarded*
LAUREA IN (FIRST CYCLE-BACHELOR'S DEGREE) INGEGNERIA MECCANICA (DM 270) (Mechanical engineering)	*DOTTORE*

2.2 Main field of study for the qualification

CLASS L-9 - CLASS OF LAUREA DEGREES IN INDUSTRIAL ENGINEERING MINISTERIAL DECREE 270/2004

Qualification description: First cycle (Bologna Process); level 6 EQF; level 5A ISCED; level 6 ISCED 2011; undergraduate; Bachelor level

2.3 Name and status of awarding institution

Name of Institution	*Status*
UNIVERSITÀ DEGLI STUDI ROMA TRE	*STATE UNIVERSITY*

2.4 Name and status of institution administering studies

Name of Institution	*Status*
UNIVERSITÀ DEGLI STUDI ROMA TRE	*STATE UNIVERSITY*

2.5 Languages of instruction/examination

Italian

3 INFORMATION ON THE LEVEL OF THE QUALIFICATION

3.1 Level of qualification

FIRST CYCLE (BACHELOR'S) DEGREE

3.2 Official length of programme

Years 3 Expected Credits 180

3.3 Access requirements

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4 INFORMATION ON THE CONTENTS AND RESULTS GAINED

4.1 Mode of study

Full time

Traditional Didactics

4.2 Programme requirements

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TYPE OF LEARNING ACTIVITY			CREDITS OFF. F (DIDACTIC OFFER) RAD (UNIVERSITY DIDACTIC REGULATIONS)	PLANNED CREDITS OFF. F (DIDACTIC OFFER)	PLANNED PDS (STUDY PLAN) CREDITS	ACQUIRED PDS (STUDY PLAN) CREDITS
A	BASIC LEARNING ACTIVITIES		51 - 75	93	63	63
B	CORE LEARNING ACTIVITIES		51 - 93	90	72	72
C	RELATED OR SUPPLEMENTARY LEARNING ACTIVITIES		18 - 27	32	26	26
D	ELECTIVE LEARNING ACTIVITIES		12 - 12	15	14	14
E	FINAL EXAMINATION AND FOREIGN LANGUAGE TEST		6 - 6	6	6	6
F	OTHER LEARNING ACTIVITIES		1 - 1	1	1	1
PDS: Student Study plan/Educational path		*Total*	*139 - 214*	*237.00*	*182*	*182*

4.3 Programme details and the individual grades/marks/credits obtained

Study plan with details of passed exams

Subject		Year	Result	Grade	Date		Credits	Type of Learning Activity	Scientific Disciplinary Sector	University code
20801739	GEOMETRY	1	Taken	28/30	17/02/2012	In the study plan	12	A	MAT/03	A7
20801734	MATHEMATICAL ANALYSIS	1	Taken	30/30 lode	27/02/2012	In the study plan	12	A	MAT/05	A7
20801738	BASICS OF GENERAL PHYSICS	1	Taken	26/30	22/06/2012	In the study plan	12	A	FIS/01	A7
20801736	MACHINE DESIGN	1	Taken	30/30	28/06/2011	In the study plan	6	B	ING-IND/15	A7
20801735	CHEMISTRY	1	Taken	20/30	18/07/2012	In the study plan	9	A	CHIM/07	A7
20801737	ELEMENTS OF COMPUTER SCIENCE	1	Taken	26/30	21/06/2011	In the study plan	6	A	ING-INF/05	A7
20202021	ENGLISH LANGUAGE - PASS/FAIL CERTIFICATE	1	Taken	P	21/09/2015	In the study plan	3	E	-	A7
20801968	ENGINEERING MECHANICS	2	Taken	26/30	24/02/2014	In the study plan	6	A	MAT/07	A7
20801810	TECHNICAL PHYSICS	2	Taken	23/30	04/09/2014	In the study plan	9	B	ING-IND/11	A7
20801969	APPLIED ELECTRONICS AND ELEMENTS OF STATISTICAL MECHANICS	2	Taken	28/30	14/02/2014	In the study plan	10	C	ING-INF/01	A7
20801809	MATERIALS SCIENCE AND TECHNOLOGY	2	Taken	28/30	04/03/2016	In the study plan	9	B	ING-IND/22	A7
20801812	FLUID MECHANICS	2	Taken	28/30	22/07/2015	In the study plan	10	B, C	ING-IND/06, ICAR/01	A7
20801967	MATHEMATICAL ANALYSIS FOR APPLICATIONS	2	Taken	28/30	12/07/2013	In the study plan	6	A	MAT/08	A7
20801811	INDUSTRIAL AND ELECTRICAL APPLICATIONS	2	Taken	23/30	03/07/2015	In the study plan	9	B	ING-IND/32	A7
20801975	ECONOMICS OF PRODUCTIVE SYSTEMS	3	Taken	24/30	24/06/2015	In the study plan	6	C	ING-IND/35	A7
20801973	THERMODYNAMICS AND FLUID PHYSICS APPLIED TO MACHINES	3	Taken	27/30	27/06/2016	In the study plan	6	B	ING-IND/08	A7
20801974	SAFETY AT WORK AND ENVIRONMENTAL DEFENCE	3	Taken	25/30	16/02/2015	In the study plan	9	B	ING-IND/28	A7
20801970	MECHANICS APPLIED TO MACHINES	3	Taken	19/30	13/07/2016	In the study plan	9	B	ING-IND/13	A7

20802078	TRANSPORT TECHNOLOGY AND ECONOMICS	3	Taken	20/30	24/02/2016	In the study plan	9	D, F	-	A7
20801971	THEORY OF ELASTICITY AND ANALYSIS OF STRUCTURES	3	Taken	27/30	21/06/2016	In the study plan	9	B	ICAR/08	A7
20801972	ELEMENTS OF AUTOMATICS	3	Taken	22/30	18/09/2015	In the study plan	6	C	ING-INF/04	A7
20810053	Laboratorio integrato di applicazioni elettriche e misure	3	Taken	P	28/01/2016	In the study plan	6	D	-	A7
20801976	FINAL EXAM	3	Taken	P	26/10/2016	In the study plan	3	E	-	A7

Expected credits: 182

Total credits earned: 182

Key

P: Pass

Key for University Codes

A7	UNIVERSITÀ DEGLI STUDI ROMA TRE
27	UNIVERSITÀ DEGLI STUDI DI ROMA "TOR VERGATA"

Key for Scientific Disciplinary Sectors

CHIM/07	FOUNDATIONS OF CHEMISTRY FOR TECHNOLOGIES
FIS/01	EXPERIMENTAL PHYSICS
ICAR/01	HYDRAULICS
ICAR/08	CONSTRUCTION SCIENCE
ING-IND/06	FLUID DYNAMICS
ING-IND/08	FLUID MACHINES
ING-IND/11	ENVIRONMENTAL TECHNICAL PHYSICS
ING-IND/13	APPLIED MECHANICS FOR MACHINERY
ING-IND/15	DESIGN AND METHODS FOR INDUSTRIAL ENGINEERING
ING-IND/22	SCIENCE AND TECHNOLOGY OF MATERIALS
ING-IND/28	EXCAVATION ENGINEERING AND SAFETY
ING-IND/32	ELECTRICAL CONVERTORS, MACHINES AND SWITCHES
ING-IND/35	ENGINEERING AND MANAGEMENT
ING-INF/01	ELECTRONICS
ING-INF/04	AUTOMATICS
ING-INF/05	DATA PROCESSING SYSTEMS

MAT/03	GEOMETRY
MAT/05	MATHEMATICAL ANALYSIS
MAT/07	MATHEMATICAL PHYSICS
MAT/08	NUMERICAL ANALYSIS

Key for Type of Learning Activities

A	BASIC LEARNING ACTIVITIES
B	CORE LEARNING ACTIVITIES
C	RELATED OR SUPPLEMENTARY LEARNING ACTIVITIES
D	ELECTIVE LEARNING ACTIVITIES
E	FINAL EXAMINATION AND FOREIGN LANGUAGE TEST
F	OTHER LEARNING ACTIVITIES

CFU = CREDITS

4.4 **Learning Activities: System of grading and statistical distribution of grades**

The grading system used at Roma Tre is the national grading system: Passing grades for each exam or learning activity can range from 18 to 30, where 18 is the passing grade and 30 the highest grade. The highest possible grade is 30/30 with honours (30L).

Percentage of students of the same Degree Course who obtained the grades	
Grade	**Percentage**
30 L	1,89
30	6,03
29	2,86
28	5,55
27	6,7
26	6,77
25	6,72
24	8,9
23	8,68
22	7,24
21	7,28
20	7,71
19	6,44
18	17,23

Graduation grades: System of grading and statistical distribution of grades

The grading system used at Roma Tre is the national grading system: Graduation grades can range from 66 to 110, where 66 is the passing grade and 110 the highest grade. The highest possible grade is 110/110

Percentage of students of the same Degree Course who obtained the grades	
Grade	**Percentage**

with honours (110L).

110 L	6,62
110	4,04
108	1,47
107	2,21
106	1,84
105	5,15
104	4,04
103	4,04
102	1,47
101	2,21
100	4,04
99	4,41
98	4,78
97	4,78
96	1,84
95	4,41
94	3,68
93	5,88
92	6,25
91	6,25
90	5,15
89	4,04
88	1,84
87	2,57
86	2,21
85	2,57
84	1,47
83	0,37
82	0,37

4.5 Overall classification of the qualification

Final grade	*Academic year of graduation*	*Date of graduation*
103/110	*2015/2016*	*26/10/2016*

5 INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1 Access to further study

It gives access to second cycle studies (laurea specialistica/magistrale) and master universitario di primo livello

5.2 Professional status

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6 ADDITIONAL INFORMATION

6.1 Additional information

Not available

6.2 Further information sources

University web page:

Ministery web pages with description of all accredited italian Universities programmes and informations about Italian higher education: http://offf.miur.it http://www.study-in-italy.it

NARIC Italia (National Academic Recognition Information Centre). Information Centre on Academic Mobility and Equivalence: http://www.cimea.it

7 CERTIFICATION OF THE SUPPLEMENT

7.1 Date (dd/mm/yyyy)

04/08/2020

7.2 Name and signature

ROBERTA EVANGELISTA

7.3 Capacity

7.3 Official stamp or seal

8 INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

The Italian University System

The Italian university system is organised in three cycles, according to the Bologna structure: the main academic

degrees are the Laurea (1st cycle), the Laurea Magistrale (2nd cycle) and the Dottorato di Ricerca (3rd cycle). The system also offers other study programmes and related qualifications.

First cycle. This cycle consists exclusively of Corsi di Laurea. These degree programmes provide students with an adequate command of general scientific methods and contents as well as with specific professional skills. The general access requirement is the Italian school leaving qualification awarded after completion of 13 years of schooling and passing the relevant State examination; comparable foreign qualifications may also be accepted. Admission to some degree courses may be based on specific course requirements. The studies last 3 years. The Laurea is awarded to students who have gained 180 ECTS credits (called Crediti Formativi Universitari – CFU) and satisfied all curricular requirements, including the production of a final written paper or equivalent final project. The Laurea gives access to the Corsi di Laurea Magistrale as well as to other 2nd cycle study programmes.

Second cycle. The main degree programmes in this cycle are the Corsi di Laurea Magistrale. They provide education at an advanced level for the exercise of highly qualified activities in specific areas. Access is by a Laurea degree or a comparable foreign degree; admission is based on specific course requirements determined by single universities. The studies last 2 years. The Laurea Magistrale degree is awarded to students who have gained 120 ECTS/CFU credits and satisfied all curricular requirements, including the production and public defence of an original dissertation. Some programmes (namely, those in dentistry, medicine, veterinary medicine, pharmacy, architecture, construction engineering/architecture, law, primary education) are defined "single cycle programmes" (Corsi a ciclo unico); for these programmes access is by the Italian school leaving qualification (or a comparable foreign qualification); admission is based on entrance exams. The studies last 5 years (6 years and 360 ECTS/CFU credits in the cases of medicine and dentistry). A Laurea Magistrale degree is awarded to students who have gained 300 ECTS/CFU credits and satisfied all curricular requirements, including the production and public defence of an original dissertation. A Laurea Magistrale degree gives access to Corsi di Dottorato di Ricerca as well as to other 3rd cycle study programmes.

Third cycle. The main degree programmes in this cycle are Corsi di Dottorato di Ricerca (research doctorate programmes); the students/young researchers enrolled in these programmes will acquire methodologies for advanced scientific research, will be trained in new technologies and will work in research laboratories, wherever appropriate. Access is by a Laurea Magistrale degree (or a comparable foreign degree); admission is based on a competitive exam; studies last at least three years and include the completion and public defence of an original research project.

Other programmes

Corsi di Specializzazione. These are 3rd cycle programmes intended to provide students with the knowledge and skills required for the practice of highly qualified professions, mainly in medical, clinical and surgical specialities. Admission is by a Laurea Magistrale degree (or by a comparable foreign degree) and is based on a competitive exam; studies may last from 2 (120 ECTS/CFU credits) to 6 years (360 ECTS/CFU credits) depending on the discipline. The final degree awarded is a Diploma di Specializzazione.

Corsi di Master Universitario di primo livello. These are 2 nd cycle programmes intended to provide students with further specialization or higher continuing education after completion of the first cycle. Access is by a Laurea degree (or a comparable foreign degree); admission may be subject to additional requirements. Studies last at least 1 year (60 ECTS/CFU credits). The qualification awarded (Master Universitario di primo livello) does not give access to Corsi di Dottorato di Ricerca or to any other 3rd cycle programme, since this type of course does not belong to the general requirements established at national level, but it is offered under the autonomous responsibility of each university.

Corsi di Master Universitario di secondo livello. These are 3rd cycle programmes intended to provide students with further specialization or higher continuing education studies after completion of the second cycle. Access is by a Laurea Magistrale degree (or a comparable foreign degree); admission may be subject to additional requirements. Studies last

at least 1 year (60 ECTS/CFU credits). The qualification awarded (Master Universitario di secondo livello) does not give access to Corsi di Dottorato di Ricerca or to any other 3rd cycle programmes, since this type of course does not belong to the general requirements established at national level, but it is offered under the autonomous responsibility of each university.

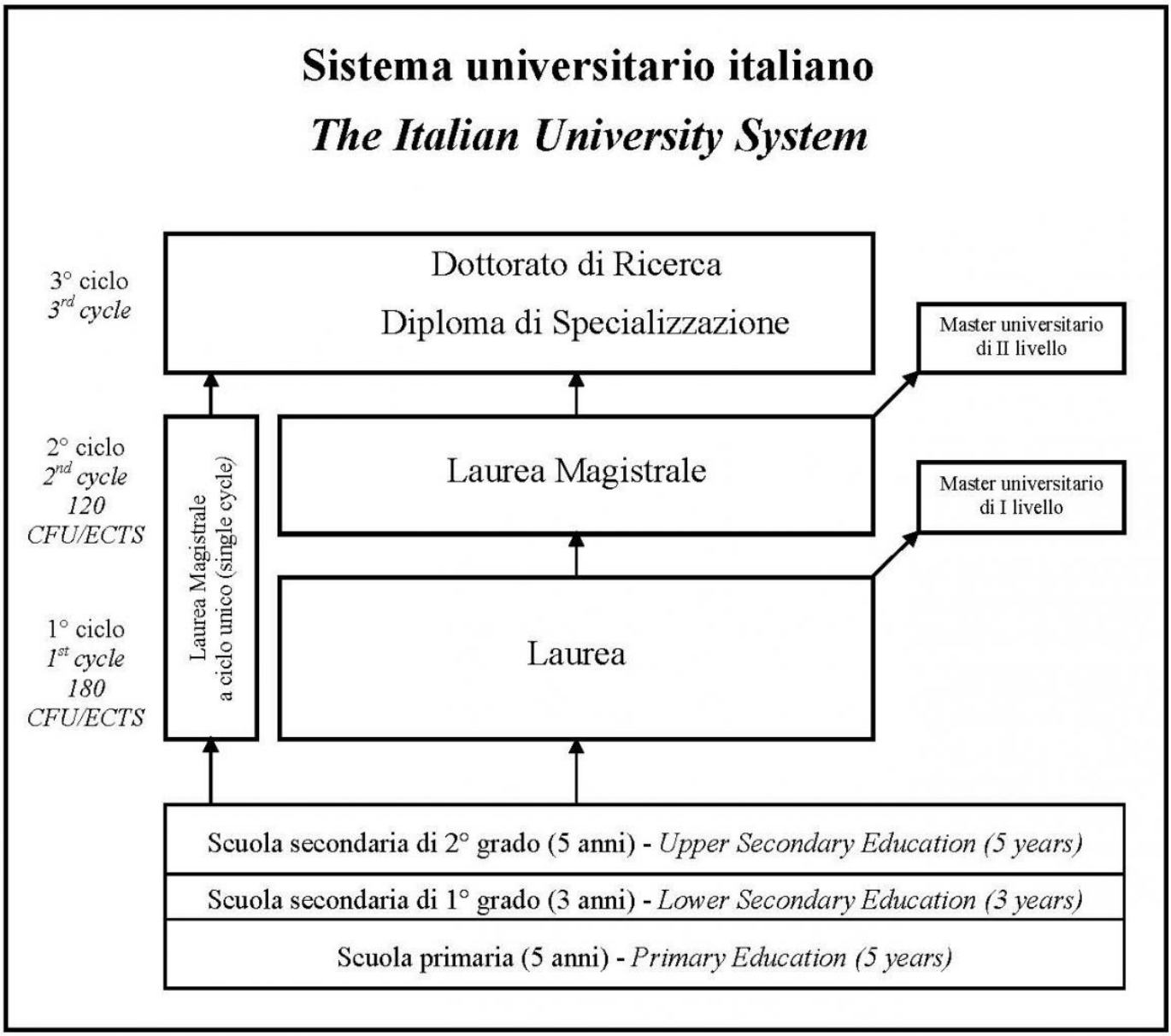
Other Information

Credits. degree courses are structured in credits (Crediti Formativi Universitari - CFU). University credits are based on the workload students need in order to achieve the expected learning outcomes. Each credit corresponds to 25 hours of student workload, including independent study. The average workload of a full time student is conventionally fixed at 60 credits per year. Thus, the CFU fully coincide with ECTS credits.

Classes of Degree Courses. all degree programmes of Laurea and Laurea Magistrale sharing general educational objectives are grouped into "classes". In developing the specific learning outcomes of single programmes, Universities have to comply with some national requirements for each class concerning the types (and corresponding amount of credits) of teaching-learning activities to be included. Degrees belonging to the same class have the same legal value.

Academic Titles. Those who receive the Laurea are entitled to be called "Dottore", the holders of a Laurea Magistrale have a right to the title of "Dottore Magistrale", the Dottorato di ricerca confers the title of "Dottore di Ricerca" or "PhD".

Joint Degrees. Italian universities are allowed to establish degree programmes in cooperation with Italian and foreign partner universities, on completion of which joint or double/multiple degrees can be awarded.


Sistema universitario italiano
The Italian University System
3° ciclo
3rd cycle
Dottorato di Ricerca
Diploma di Specializzazione
Master universitario di II livello
2° ciclo
2nd cycle
120
CFU/ECTS
Laurea Magistrale
Master universitario di I livello
1° ciclo
1st cycle
180
CFU/ECTS
Laurea Magistrale a ciclo unico (single cycle)
Laurea
Scuola secondaria di 2° grado (5 anni) - Upper Secondary Education (5 years)
Scuola secondaria di 1° grado (3 anni) - Lower Secondary Education (3 years)
Scuola primaria (5 anni) - Primary Education (5 years)