

DIPLOMA SUPPLEMENT



Number of diploma in the registry of diplomas: BME-0006/2014, year: 2014

1 HOLDER OF THE QUALIFICATION

1.1 Family name(s)	1.2 Given name(s)
<u>Majoros</u>	<u>Melinda Ivett</u>
1.3 Date of birth (day/month/year)	1.4 Student identification number or code (if available)
<u>01/06/1991</u>	<u>GVSOA3 75725446267</u>

2 INFORMATION ON IDENTIFYING OF THE QUALIFICATION

2.1 Name of qualification and (if applicable) title conferred
<u>Industrial Design Engineer</u>
2.2 Main field(s) of study for the qualification
<u>Industrial Design Engineering</u>
2.3 Name and status of awarding institution
<u>Budapest University of Technology and Economics State university, accredited by the Hungarian Accreditation Committee (HAC) with its resolution 1999/5/II/1.</u>
2.4 Name and status of institution (if different from 2.3) administering studies
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2.5 Language(s) of instruction/examination
<u>Hungarian</u>

3 INFORMATION ON THE LEVEL OF THE QUALIFICATION

3.1 Level of qualification	3.2 Official length of program
<u>Bachelor (first cycle)</u>	<u>7 semesters</u>
3.3 Access requirements	
<u>Secondary school leaving certificate (after 12 years of study), entrance procedure and freehand drawing ability test</u>	

4 INFORMATION ON THE CONTENTS AND RESULTS GAINED

4.1 Mode of study
<u>Full time training</u>

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4.2 Program Requirements

4.2.1 Program requirements act number

Degree 15/2006 (IV.3.) OM from the study and graduation requirements of the Majors in Bachelor's and Master's Programs

4.2.2 Aim of study

Education of industrial design engineers

4.2.3 Required number of credit points

210

4.2.4 System of knowledge checking

Examinations, 2 comprehensive examinations, BSc thesis and its defending at public final examination

4.2.5 Required professional practice, credit value

6-week practice, 0 credit

4.3 Program details (e.g. modules or units studied), and the individual grades/marks/credits obtained

2010/11/1, credit points: 31

Subject	Subject code	Lessons per week (W)/semester (S)	Requirement	Credit points	Grade	Date
Freehand drawing 1 TR.	BMEEPRAAT01	W: 0/3/0	Mid-term mark	3	5	18/01/2011
Methods of product design	BMEGEGEATTM	W: 2/1/0	Mid-term mark	3	4	10/12/2010
Mechanics I.	BMEGEMMAT01	W: 2/1/0	Mid-term mark	4	3	10/12/2010
Materials Engineering	BMEGEMTAMT1	W: 3/1/1	Exam	5	3	12/01/2011
Industrial Safety	BMEGEMTA411	0/0/0	Signature	0	Sign	10/12/2010
Information Systems	BMEGERIA31I	W: 2/0/2	Mid-term mark	4	4	10/12/2010
Mathematics A1a - Calculus	BMETE90AX00	W: 4/2/0	Exam	6	2	05/01/2011
Descriptive Geometry	BMETE90AX06	W: 1/2/0	Exam	3	2	13/12/2010
Chemistry	BMEVESEATK1	W: 3/0/0	Exam	3	2	10/01/2011

2010/11/2, credit points: 32

Subject	Subject code	Lessons per week (W)/semester (S)	Requirement	Credit points	Grade	Date
Freehand drawing 2 TR.	BMEEPRAAT02	W: 0/2/0	Mid-term mark	2	4	06/06/2011
Presentation Technology	BMEGEFOAMT1	W: 1/0/1	Mid-term mark	2	3	13/05/2011
Integrated product design exercise I.	BMEGEGEATH1	W: 0/2/1	Mid-term mark	4	5	13/05/2011
Technical drawing	BMEGEGEATMR	W: 2/2/0	Mid-term mark	4	5	13/05/2011
Fundamentals of CAD	BMEGEGEA3CD	W: 1/0/2	Mid-term mark	4	5	13/05/2011
Mechanics II.	BMEGEMMAT02	W: 2/1/0	Exam	4	3	01/06/2011
Software Engineering	BMEGERIA32P	W: 0/2/0	Mid-term mark	2	3	13/05/2011
Inventions and Curiosities	BMEGT35A020	W: 2/0/0	Mid-term mark	2	2	13/05/2011
Physical Education 2/A	BMEGT70BS2A	W: 0/2/0	Signature	0	Sign	13/05/2011
Physics A2	BMETE15AX02	W: 2/0/0	Exam	2	2	23/05/2011

Subject	Subject code	Lessons per week (W)/semester (S)	Requirement	Credit points	Grade	Date
Comprehensive Examination in Mathematics A2	BMETE90AX16	0/0/0	Comprehensive exam	0	4	26/05/2011
Mathematics A2 for Product Designer Engineers	BMETE90AX26	W: 4/2/0	Mid-term mark	6	4	13/05/2011

2011/12/1, credit points: 35

Subject	Subject code	Lessons per week (W)/semester (S)	Requirement	Credit points	Grade	Date
Graphic Design 1 TR	BMEEPRAAT03	W: 0/2/0	Mid-term mark	2	5	22/01/2012
Basics of Mechatronics	BMEGEFOAT02	W: 2/0/0	Mid-term mark	3	3	09/12/2011
CAD modeling	BMEGEGEAGC M	W: 0/0/2	Mid-term mark	3	5	09/12/2011
Form Study and Colour Theory	BMEGEGEATFS	W: 0/3/0	Mid-term mark	3	5	08/12/2011
Designing I.	BMEGEGEATF1	W: 0/2/0	Mid-term mark	2	4	16/12/2011
Integrated product design exercise II.	BMEGEGEATI2	W: 0/2/1	Mid-term mark	4	5	09/12/2011
Machines and their parts I	BMEGEGEATS1	W: 2/2/0	Exam	4	3	09/01/2012
Polimer engineering	BMEGEPTAMT0	W: 3/0/1	Exam	4	4	13/01/2012
Innovation Management	BMEGT20AT01	W: 2/0/0	Mid-term mark	2	3	09/12/2011
Patent and Product Novelty	BMEGT52AT06	W: 2/0/0	Mid-term mark	3	5	09/12/2011
Ergonomics	BMEGT52AT09	W: 2/0/0	Mid-term mark	3	4	09/12/2011
Physics A3	BMETE15AX03	W: 2/0/0	Exam	2	3	03/01/2012

2011/12/2, credit points: 34

Subject	Subject code	Lessons per week (W)/semester (S)	Requirement	Credit points	Grade	Date
Graphic Design 2 TR	BMEEPRAAT04	W: 0/2/0	Mid-term mark	2	5	14/06/2012
Colour Technology	BMEGEFOAT01	W: 2/0/0	Mid-term mark	2	4	11/05/2012
Designing II.	BMEGEGEATF2	W: 0/2/0	Mid-term mark	3	4	10/05/2012
Integrated product design exercise III.	BMEGEGEATI3	W: 0/2/1	Mid-term mark	5	5	11/05/2012
Machines and their parts II	BMEGEGEATS2	W: 3/2/0	Mid-term mark	4	4	11/05/2012
Production Engineering	BMEGEGTAT01	W: 2/0/2	Exam	4	3	30/05/2012
Applied Statistics	BMEGEVGAT01	W: 2/1/1	Exam	4	3	12/06/2012
Consumer Protection	BMEGT52AT03	W: 2/0/0	Mid-term mark	3	5	11/05/2012
Applied Ergonomics	BMEGT52AT10	W: 1/2/0	Exam	4	4	14/05/2012
Physical Education 1/B	BMEGT70BS1B	W: 0/2/0	Signature	0	Sign	11/05/2012
Basics of Electrical Engineering	BMEVIAUA007	W: 2/0/1	Mid-term mark	3	3	18/05/2012

2012/13/1, credit points: 41

Subject	Subject code	Lessons per week (W)/semester (S)	Requirement	Credit points	Grade	Date
Landscape Architecture	BMEEPUI0904	W: 2/0/0	Mid-term mark	2	4	14/12/2012
Fluid Mechanics	BMEGEÁATAT01	W: 2/0/1	Exam	3	3	03/01/2013
Applied Heat Transfer	BMEGEENATM H	W: 2/1/0	Exam	3	4	21/12/2012
Designing polymer products	BMEGEGEAGTP	W: 1/1/0	Mid-term mark	3	5	07/12/2012

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Subject	Subject code	Lessons per week (W)/semester (S)	Requirement	Credit points	Grade	Date
Computational techniques of form and graphical design	BMEGEGETFG	W: 0/0/2	Mid-term mark	3	5	07/12/2012
Integrated Product Design Exercise IV.	BMEGEGETI4	W: 0/3/2	Mid-term mark	6	5	07/12/2012
Mechanics and Machines Design (Comprehensive Exam)	BMEGEGETSZ	0/0/0	Comprehensive exam	0	3	18/12/2012
Product simulation I.	BMEGEGETT1	W: 1/0/1	Mid-term mark	3	5	07/12/2012
Marketing I.	BMEGT20AT03	W: 2/1/0	Mid-term mark	3	4	09/12/2012
Management and Business Economics	BMEGT20A001	W: 4/0/0	Mid-term mark	4	3	07/12/2012
Micro- and Macroeconomics	BMEGT30A001	W: 4/0/0	Exam	4	4	15/01/2013
Methods in Ergonomics	BMEGT52AT11	W: 2/0/0	Mid-term mark	3	4	07/12/2012
Business Law	BMEGT55A001	W: 2/0/0	Mid-term mark	2	2	17/12/2012
Communication Skills - English	BMEGT63A061	W: 0/2/0	Mid-term mark	2	5	07/12/2012

2012/13/2, credit points: 19

Subject	Subject code	Lessons per week (W)/semester (S)	Requirement	Credit points	Grade	Date
Integrated Product Design Exercise V.	BMEGEGETI5	W: 0/4/2	Mid-term mark	7	5	17/05/2013
Design considering environment	BMEGEGETMK	W: 2/0/0	Exam	3	4	29/05/2013
Modern technique of product design	BMEGEGETTT	W: 0/0/2	Mid-term mark	3	5	17/05/2013
TQM	BMEGT20AT02	W: 2/0/0	Mid-term mark	3	2	17/05/2013
Marketing II.	BMEGT20AT04	W: 3/0/0	Exam	3	3	28/05/2013

2013/14/1, credit points: 27

Subject	Subject code	Lessons per week (W)/semester (S)	Requirement	Credit points	Grade	Date
Fundamentals of automatisisation	BMEGEGETA	W: 1/0/3	Mid-term mark	4	5	13/12/2013
Corporate Design I.	BMEGEGETA1	W: 0/2/0	Mid-term mark	3	5	13/12/2013
BSc Final Project	BMEGEGETA4SD	W: 0/10/0	Mid-term mark	15	5	17/12/2013
Summer Internship	BMEGEGETA4SZ	0/0/0	Signature	0	Sign	13/12/2013
Psychology	BMEGT52AT04	W: 2/0/0	Exam	3	3	16/12/2013
English for Engineers	BMEGT63A051	W: 0/2/0	Mid-term mark	2	5	13/12/2013

If the number of lessons contains / marks, like in le/p/ly, its meaning is: number of lectures/class practices/laboratories.

Total number of credits: 219

4.4 Grading scheme and, if available, grade distribution guidance

All grades at least pass (2)

4.5 Overall classification of the qualification

good

5 INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1 Access to further study

Continuation of the studies is in Master's Program

5.2 Professional status (if applicable)

6 ADDITIONAL INFORMATION

6.1 ADDITIONAL INFORMATION

6.1.1 Information concerning the holder of the diploma

Melinda Majoros has been awarded by 2nd place with the research work entitled by "Virtual piece reconstruction" at the Student's Scientific Conference organized by the Budapest University of Technology and Economics in 14. November 2012 in session entitled Product Design

6.1.2 Information on the Institution

The predecessor in title of the Budapest University of Technology and Economics (BME) was founded in 1782. It is a state university, presently the largest technical university in Hungary. The faculties: Civil Engineering, Mechanical Engineering, Architecture, Chemical Technology and Biotechnology, Electrical Engineering and Informatics, Transportation Engineering and Vehicle Engineering, Natural Sciences, Economic and Social Sciences. Presently, there are about 20500 full-time, (including 1000 foreign) students, and 1300 corresponding students. 2200 students participate in distance learning. There are 515 PhD/DLA students. The university has about 1250 staff members, including 159 full professors. The courses are offered in Hungarian, English, German and French. Home page: www.bme.hu/

6.2 Further information sources

<http://www.gpk.bme.hu>

Information concerning the Diploma Supplements in Hungary is available from the DS home page of the Ministry of National Resources (when issuing this document, this is <http://www.nefmi.gov.hu/oklevelmelleklet/>), or from that of the Hungarian Europass Centre (when issuing this document, this is <http://www.europass.hu/>). Verification of a printed diploma supplement can be performed starting from the above pages. International information is available starting from the ENIC/NARIC home page: <http://www.enic-naric.net/>.

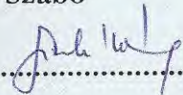
7 CERTIFICATION OF THE SUPPLEMENT

7.1 Date

19/02/2014

7.2 Name and signature

Dr. Mihály Szabó

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7.3 Capacity

Director of Central Academic Office



7.4 Official stamp or seal

8 Information on the Hungarian Higher Education System

Within the framework of the Bologna Process the gradual transition from a pre-Bologna higher education system resulting in Egyetemi oklevél (university-level degree) or Főiskolai oklevél (collegelevel {07E6F529-A7BE-4421-A23B-B7ABBF6701FF})

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degree) to a higher education system based on three consecutive cycles started in 2004 in Hungary. At the time of drafting this Diploma Supplement pre-Bologna and Bologna-type programmes run parallel.

This description presents the Bologna-type training, and was prepared in 2008 for diplomas awarded within the Bologna-type system.

8.1 Types of Institutions and Institutional Control

The establishment and operation of higher education institutions are regulated by the 2005 Higher Education Act. Operating within the legal framework of the Higher Education Act, Hungarian higher education institutions are autonomous, state-recognised, state or non-state (church or private) institutions. The state-recognised institutions are listed in the Annex of the Higher Education Act. There are two types of higher education institutions, egyetem (university) and főiskola (college). Both universities and colleges may offer courses in all three cycles. A university is a higher education institution that is eligible to provide Master courses in at least two fields of study, and to offer Doctorate course as well as to confer Doctoral degrees. The rules applying to universities offering courses in the field of art or religious education are different from the aforementioned.

8.2 Types of Programmes and Degrees Awarded

The consecutive training cycles of the higher education leading to a higher education degree are alapképzés (Bachelor course), mesterképzés (Master course) and doktori képzés (Doctorate course). Bachelor and Master courses are taught in consecutive cycles, in the form of divided training, or in cases specified by law in the form of undivided, one-tier training.

In addition to the aforementioned, higher education institutions may conduct higher-level vocational training and postgraduate specialist training, as well as can offer adult education within the framework of lifelong learning.

Higher education institutions apply a credit system based on the European Credit Transfer System. Accordingly, one credit stands for 30 hours of student workload.

8.3 Approval/Accreditation of Programmes and Degrees

A higher education institution may launch Bachelor and Master courses after having obtained the consent thereto in the expert opinion of the Hungarian Accreditation Committee of Higher Education, and following the central registration of the given course. In the case of each Bachelor and Master course, the law determines the programme and graduation requirements, thus, all the knowledge and competencies whose acquisition is the precondition for the diploma to be awarded in respect to the given programme.

The launching of Doctorate courses is within the powers of the universities, having obtained the consent thereto in the expert opinion of the Hungarian Accreditation Committee of Higher Education and having fulfilled other conditions prescribed by law.

It is the task of the Hungarian Accreditation Committee of Higher Education to authorize and assess the quality of education and scientific activities of the higher education institutions. The Hungarian Accreditation Committee of Higher Education once in every eight years examines in which field of study, discipline of science and at what level of training does an institution fulfil accreditation requirements in respect of lecturers and infrastructure. The assessment also extends to examine the adequacy of the institutional quality development scheme. Within the framework of programme accreditation the Hungarian Accreditation Committee of Higher Education examines the institutional programme curricula, the fulfilment of programme and graduation requirements, as well as the adequacy of the lecturers' qualifications and the quality of the infrastructure in respect to the given programme.

8.4 Organisation of Studies

Students studying in Bachelor and Master courses complete their studies by passing a final examination. The final examination may consist of the defence of the degree thesis, and additional oral, written or practical examinations.

8.4.1 Integrated "Long" (One-tier) Programmes

An undivided one-tier programme resulting in mesterfokozat (Master degree) is a training with the length of 10-12 semesters, requiring the completion of 300-360 credits. Besides religious education and some programmes of arts, the following programmes are conducted within one-tier Master courses: veterinary medicine, architecture, dentistry, pharmaceutics, law and medicine.

8.4.2 First/Second Degree Programmes (Two-tier)

The first higher education degree is the alapfokozat (Bachelor degree) along with a professional qualification. A Bachelor course requires gaining 180-240 credits. The length of the programme is 6-8 semesters.

The second higher education degree is the mesterfokozat (Master degree) along with a professional qualification. Built on a Bachelor course Master courses require gaining 60-120 credits. The length of the programme is 2-4 semesters.

8.5 Specialised Graduate Studies

Higher education institutions may also offer szakirányú továbbképzés (postgraduate specialist training) for Bachelor and Master degree holders. Through the completion of 60-120 credits a specialised qualification can be obtained. Students complete their studies by passing a final examination. The length of the programme is 2-4 semesters.

8.6 Doctorate

Built on a Master course and a Master degree the doktori képzés (Doctorate course) requires gaining at least 180 credits. The length of the programme is 6 semesters. Following a Doctorate course, in a separate degree awarding procedure, the scientific degree "Doctor of Philosophy" (abbreviation: PhD), or in art education "Doctor of Liberal Arts" (abbreviation: DLA) may be awarded.

8.7 Grading Scheme

The assessment of knowledge is generally carried out according to a five-grade scale: excellent (5), good (4), satisfactory (3), pass (2), and fail (1) or a three-grade scale: excellent (5), satisfactory (3), fail (1). Nevertheless, higher education institutions may also use other systems for assessing if they are comparable to those mentioned above.

8.8 Access to Higher Education

The number of students admitted to higher education is limited. Applicants' ranking is based on their secondary school grades and their érettségi vizsga (secondary school leaving examination) results or based solely on the latter, considering the interest of the applicant. The requirement for admission to Bachelor and undivided one-tier Master courses is the secondary school leaving examination taken - as a rule - after the completion of the 12th grade of a secondary school, certified by Érettségi bizonyítvány (secondary school leaving certificate). The admission to certain programmes is based on an additional aptitude test or a practical examination. To Master courses students can be admitted if they possess Főiskolai oklevél (college-level degree) or Egyetemi oklevél (university-level degree) or a Bachelor degree. To postgraduate specialist training students can be admitted if they possess college or university-level degree, or a Bachelor or a Master degree. Only applicants with university-level degree or Master degree may be admitted to Doctorate courses. Higher education institutions may set additional requirements for admission to Master, postgraduate specialist and Doctorate courses.

8.9 National Sources of Information

Ministry of National Resources 1, Hungarian ENIC/NARIC 2 Hungarian Accreditation Committee of {07E6F529-A7BE-4421-A23B-B7ABBF6701FF}

Higher Education 3, Educational Authority 4, National Higher Education Information Centre 5

1 Web site: www.nefmi.gov.hu

2 Web site: www.oktatas.hu/ Magyar Ekvivalencia és Információs Központ

3 Web site: www.mab.hu

4 Web site: www.oktatas.hu

5 Web site: www.felvi.hu