ANNEXES

Annex I. 1 The percentage of population with tertiary studies, aged 30-34 years old, in EU states in the period 2005-2014 and the target for 2020

Country /year	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	TARGET 2020
EU-28	28,1	29	30,1	31,2	32,3	33,8	34,8	36	37,1	37,9	**40**
Belgium	39,1	41,4	41,5	42,9	42	44,4	42,6	43,9	42,7	43,8	**47**
Bulgaria	24,9	25,3	26	27,1	27,9	27,7	27,3	26,9	29,4	30,9	**36**
Czech Republic	13	13,1	13,3	15,4	17,5	20,4	23,7	25,6	26,7	28,2	**32**
Denmark	43,1	43	38,1	39,2	40,7	41,2	41,2	43	43,4	44,1	**40**
Germany	26,1	25,8	26,5	27,7	29,4	29,8	30,6	31,8	32,9	31,4	**42**
Estonia	31,7	32,5	33,5	34,4	36,3	40,2	40,2	39,5	43,7	46,6	**40**
Ireland	39,2	41,3	43,3	46,3	48,9	50,1	49,7	51,1	52,6	52,2	**60**
Greece	25,5	26,9	26,3	25,7	26,6	28,6	29,1	31,2	34,9	37,2	**32**
Spain	39,9	39,4	40,9	41,3	40,7	42	41,9	41,5	42,3	42,3	**44**
France	37,7	39,7	41,4	41,2	43,2	43,4	43,3	43,5	44,1	44,1	**50**
Croatia	17,4	16,7	16,8	18,5	21,3	24,5	23,9	23,1	25,6	32,2	**35**
Italy	17,1	17,6	18,6	19,2	19	19,9	20,4	21,9	22,5	23,9	**26**
Cyprus	40,8	46,1	46,2	47,1	45	45,3	46,2	49,9	47,8	52,5	**46**
Latvia	18,5	19,3	25,7	26,3	30,5	32,6	35,9	37,2	40,7	39,9	**34**
Lithuania	37,7	39,4	36,4	39,9	40,4	43,8	45,7	48,6	51,3	53,3	**48,7**
Luxembourg	37,6	35,5	35,3	39,8	46,6	46,1	48,2	49,6	52,5	52,7	**66**
Hungary	17,9	19,4	20,6	22,8	24	26,1	28,2	29,8	32,3	34,1	**30,3**
Malta	17,6	20,7	20,8	21	21,9	22,1	23,4	24,9	26	26,6	**33**
Netherlands	34,9	35,8	36,4	40,2	40,5	41,4	41,1	42,2	43,1	44,6	**40**
Austria	20,7	21,1	20,9	21,9	23,4	23,4	23,6	26,1	27,1	40	**38**
Poland	22,7	24,7	27	29,7	32,8	34,8	36,5	39,1	40,5	42,1	**45**
Portugal	17,5	18,3	19,5	21,6	21,3	24	26,7	27,8	30	31,3	**40**
Romania	11,4	12,4	13,9	16	16,8	18,3	20,3	21,7	22,9	25	**26,7**
Slovenia	24,6	28,1	31	30,9	31,6	34,8	37,9	39,2	40,1	41	**40**
Slovakia	14,3	14,4	14,8	15,8	17,6	22,1	23,2	23,7	26,9	26,9	**40**
Finland	43,7	46,2	47,3	45,7	45,9	45,7	46	45,8	45,1	45,3	**42**
Sweden	37,6	39,5	41	42	43,9	45,3	46,8	47,9	48,3	49,9	**40**
United Kingdom	34,6	36,5	38,5	39,7	41,4	43,1	45,5	46,9	47,4	47,7	**:**
Iceland	41,1	36,4	36,3	38,3	41,7	40,9	44,6	42,8	43,9	45,9	**:**
Norway	39,4	41,9	43,7	46,2	47	47,3	48,8	47,6	48,8	52,1	**:**
Switzerland	33,4	35	36,5	41,3	43,4	44,2	43,8	43,8	46,1	49,2	**:**
Yugoslav Republic	:	11,6	12,2	12,4	14,3	17,1	20,4	21,7	23,1	24,9	**:**
Turkey	:	11,9	12,3	13	14,7	15,5	16,3	18	19,5	21,5	**:**

Source: http://appsso.eurostat.ec.europa.eu/nui/show.do?dataset=edat_lfse_07&lang=en accessed on 25 May 2015[97]

[97] *Note Eurostat: The indicator is defined as the percentage of the population aged 30-34 who have successfully completed tertiary studies (e.g. university, higher technical institution, etc.). This educational*

***Annex** I. 2 a The nomenclature of fields and specializations/ study programs*

Code DFI	The fundamental domain (DFI)	Branch of science (RSI)	Bachelor's domain (DL)	Number of credits (ECTS)	No of specializations
10	Mathematics and Natural Sciences	Mathematics	Mathematics	180	3
			Informatics	180	2
		Physics	Physics	180	5
		Chemistry and chemical engineering	Chemistry	180	5
			Chemical engineering	240	15
		Earth and Atmospheric Sciences	Geography	180	5
			Geology	180	2
			Environmental Science	180	5
20	Engineering Sciences	Civil Engineering	Civil Engineering	240	11
			Installation Engineering	240	5
		Electrical, Electronics and Telecommunications Engineering	Electrical Engineering	240	6
			Energy Engineering	240	6
			Electronics Engineering and Telecommunications	240	9
		Geological Engineering, Mining, Oil and Gas	Geological Engineering	240	4
			Geodetic Engineering	240	4
			Mining, Oil and Gas	240	5
		Transportation Engineering	Aerospace Engineering	240	6
			Automotive Engineering	240	5
			Transportation Engineering	240	3
		Engineering Plant and Animal Resources	Agronomy	240	5
			Horticulture	240	2
			Forest Engineering	240	2
			Sylviculture	240	3
			Engineering and Management in Agriculture and Rural Development	240	2
			Biotechnology	240	4
			Food Engineering	240	6
			Zootechnics	240	2

attainment refers to ISCED (International Standard Classification of Education) 2011 level 5-8 for data from 2014 onwards and to ISCED 1997 level 5-6 for data up to 2013. The indicator is based on the EU Labour Force Survey

Code DFI	The fundamental domain (DFI)	Branch of science (RSI)	Bachelor's domain (DL)	Number of credits (ECTS)	No of specializations
		Systems Engineering, computer and information technology	Computer and information technology	240	6
			Systems Engineering	240	3
		Mechanical Engineering, mechatronics, industrial Engineering and management	Mechanical Engineering	240	16
			Industrial Engineering	240	14
			Marine Engineering and Nautical Science	240	3
			Applied Engineering	240	11
			Naval architecture	240	2
			Mechatronics and robotics	240	2
			Materials Engineering	240	5
			Environmental Engineering	240	9
			Engineering and management	240	12
			Sapper Engineering	240	2
			Weapon Engineering, missiles, ammunition	240	4
30	Biological and Biomedical Sciences	Biology	Biology	180	1
		Biochemistry	Biology	180	1
		Medicine	Health	360	2
			Health	240	2
			Health	180	5
		Veterinary Medicine	Veterinary Medicine	360	2
		Dental Medicine	Health	360	1
			Health	180	3
		Pharmacy	Health	300	1
			Health	180	1
40	Social Sciences	Legal Sciences	Law	240	2
		Administrative Sciences	Administrative Sciences	180	5
		Communication Sciences	Communication Sciences	180	4
		Sociology	Social assistance	180	1
			Sociology	180	3
		Political Sciences	International Relations and European Studies	180	2

Code DFI	The fundamental domain (DFI)	Branch of science (RSI)	Bachelor's domain (DL)	Number of credits (ECTS)	No of specializations
			Political Sciences	180	3
		Military Sciences, Information and Public Order	Military Sciences, Information and Public Order	180	17
		Economic Sciences	Business administration	180	9
			Cybernetics, Statistics and Economic Informatics	180	3
			Accounting Science	180	1
			Economy	180	7
			Finance	180	1
			Management	180	2
			Marketing	180	1
			Economics and international affairs	180	3
		Psychology and Behavioural Sciences	Psychology	180	2
			Education Sciences	180	4
50	Humanistic Sciences and Arts	Philology	Language and literature	180	5
			Applied Foreign Language	180	2
		Philosophy	Philosophy	180	1
		History	History	180	5
			Heritage Studies	180	3
		Theology	Theology	240	4
		Cultural studies	Cultural studies	180	6
		Architecture and urbanism	Architecture	360	7
			Urbanism	240	3
		Arts*13)	Visual arts	180	13
			Theatre and performing arts	180	3
			Cinema and media studies	180	3
			Musics	180	8
60	Sport Science and Physical Education	Sport Science and Physical Education	Physical Education and Sport	180	2
			Kinetotherapy	180	1
Total	**6**	**32**	**86**		**376**

Source: After The Official Journal of Romania year 182 (XXVI) –No. 527, 16 July 2014 HG 580

Annex II. 1 Year of establishment of HEIs in Romania

Institution	City	Year of establishment
PUBLIC INSTITUTIONS		
1. „Babeș-Bolyai" University	Cluj-Napoca	1581/1919/ 1945/1959
2. University of Bucharest	Bucharest	1694/1864
3. Politehnica University	Bucharest	1818/1864
4. University of Agronomic Sciences and Veterinary Medicine of Bucharest	Bucharest	1852
5. „Carol Davila" University of Medicine and Pharmacy	Bucharest	1857
6. „Alexandru Ioan Cuza" University	Iași	1860
7. „George Enescu" University of Arts	Iași	1860
8. National University of Arts	Bucharest	1864
9. National University of Music	Bucharest	1864
10. University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca	Cluj-Napoca	1869
11. „Grigore T. Popa" University of Medicine and Pharmacy	Iași	1879
12. „Ion Mincu" University of Architecture and Urbanism	Bucharest	1897/1952
13. „Ion Ionescu de la Brad" University of Agricultural Sciences and Veterinary Medicine	Iași	1912
14. Bucharest University of Economic Studies	Bucharest	1913
15. „Gheorghe Dima" Music Academy	Cluj-Napoca	1919
16. „Iuliu Hațieganu" University of Medicine and Pharmacy	Cluj-Napoca	1919/1948
17. „Politehnica" University	Timișoara	1920
18. Technical University	Cluj-Napoca	1920/1948
19. National University of Physical Education and Sports	Bucharest	1922/2002
20. University of Art and Design	Cluj-Napoca	1925
21. „Gheorghe Asachi" Technical University	Iași	1937
22. University of Medicine and Pharmacy of Târgu Mureș	Târgu Mureș	1945
23. University of Arts	Târgu Mureș	1946/1998
24. University of Craiova	Craiova	1947
25. Technical University of Civil Engineering	Bucharest	1948
26. „Dunărea de Jos" University	Galați	1948
27. „Transilvania" University	Brașov	1948/1971

Institution	City	Year of establishment
28. National University of Theatre and Film „Ion Luca Caragiale”	Bucharest	1954
29. „Petru Maior” University	Târgu Mureș	1960
30. „Vasile Alecsandri” University	Bacău	1960/1991
31. The West University of Timișoara	Timișoara	1962
32. University of Medicine and Pharmacy of Craiova	Craiova	1970
33. „Aurel Vlaicu” University	Arad	1990
34. „Ovidius” University	Constanța	1990
35. University of Oradea	Oradea	1990
36. University of Pitești	Pitești	1990
37. „Eftimie Murgu” University	Reșița	1990
38. „Ștefan cel Mare” University	Suceava	1990
39. „Lucian Blaga” University	Sibiu	1990/1995
40. „1st December 1918” University of Alba Iulia	Alba Iulia	1991
41. National University of Political Studies and Public Administration	Bucharest	1991
42. Banat University of Agricultural Sciences and Veterinary Medicine Timișoara	Timișoara	1991
43. „Valahia” University of Târgoviște	Târgoviște	1992
44. University of Petroșani	Petroșani	1995
45. Petroleum-Gas University of Ploiești	Ploiești	1995
46. „Constantin Brâncuși” University	Târgu-Jiu	1997
PRIVATE INSTITUTIONS		
1. "Dimitrie Cantemir" Christian University	Bucharest	1990
2. "Titu Maiorescu" University	Bucharest	1990
3. "Nicolae Titulescu" University	Bucharest	1990
4. Romanian-American University	Bucharest	1993
5. "Hyperion" University	Bucharest	1990
6. "Spiru Haret" University	Bucharest	1991
7. "Bioterra" University	Bucharest	1990
8. Ecological University	Bucharest	1990
9. Romanian University of Sciences and Arts "Gheorghe Cristea" of Bucharest	Bucharest	1990
10. "Athenaeum" University	Bucharest	1990
11. "Artifex" University	Bucharest	1992
13. Baptist Theological Institute	Bucharest	1921?
14. Pentecostal Theological Institute	Bucharest	1992
17. "Vasile Goldiș" Western University of Arad	Arad	1990
18. "George Bacovia" University	Bacău	1992
19. "George Barițiu" University	Brașov	-------

Institution	City	Year of establishment
20. "Avram Iancu" University	Cluj-Napoca	1992
21. "Bogdan Vodă" University	Cluj-Napoca	1992
22. Protestant Theological Institute	Cluj-Napoca	1948
23. "Sapientia" University	Cluj-Napoca	2000
24. "Andrei Șaguna" University	Constanța	1992
25. "Danubius" University	Galați	2002
27. "Petre Andrei" University	Iași	1990
28. "Apollonia" University	Iași	1990/1991
29. "Drăgan" European University	Lugoj	1992
30. Agora University of Oradea	Oradea	2012
31. "Emanuel" University	Oradea	1990
32. "Partium" Christian University	Oradea	2000
33. "Constantin Brâncoveanu" University	Pitești	1992
34. "Romanian-German"University of Sibiu	Sibiu	1998
35. "Dimitrie Cantemir" University	Târgu Mureș	
37. "Tibiscus" University	Timișoara	2002
FOUNDATIONS		
1. Adventist Theological Institute	Cernica - Ilfov	
2. "Ștefan Lupașcu" Foundation – Institute of European Studies	Iași	1999
3. Roman Catholic Franciscan Theological Institute	Roman	1990
4. "Commercial Academy" Foundation	Satu Mare	
5. "Alma Mater" University Foundation – "Alma Mater" University	Sibiu	2005
6. "Ioan Slavici" Foundation for Culture and Education	Timișoara	
7. "Gaudeamus" Foundation - "Tomis" University	Constanța	
8. "Timotheus" Brethren Theological Institute	Bucharest	1992
9. Lumina Foundation, Lumina - The University of South-East Europe	Bucharest	2001

Source: Conducted by the authors from the websites of higher education institutions

Annex II. 2 Ranking of state universities by the maximum number of students that can be enrolled in the 1st year of studies, by fields of studies and coverage with study scholarships in the academic year 2014-2015

No	Field of study/ University	Fundamental field (DFI)						Total students that can be enrolled in the 1st year	Budgeted places	% coverage of budgeted places offer
		Mathematics and Natural Sciences	Engineering Sciences	Biological and Biomedical Sciences	Social Sciences	Humanistic Sciences and Arts	Sport Science Physical Education			
1.	„Babeș-Bolyai" U. Cluj	3585	265	180	10760	3501	603	**18894**	4825	25,54
2.	U. of Bucharest	2435	330	180	4695	3206		**10846**	4352	40,13
3.	„A. I. Cuza" U. Iași	2165	165	260	5590	2065	140	**10385**	3443	33,15
4.	„Transilvania" U. Brașov	385	3580	335	2260	645	275	**7480**	2759	36,89
5.	Bucharest U. of Economic Studies				7025	100		**7125**	2700	37,89
6.	U. of Craiova	775	1988	60	3080	686	370	**6959**	2879	41,37
7.	West U. of Timișoara	1350	30	70	4150	1138	175	**6913**	2040	29,51
8.	Technical U. Cluj-Napoca	210	4904	20	545	466		**6145**	3154	51,33
9.	U. of Oradea	695	2100	455	2050	627	130	**6057**	1615	26,66
10.	"Ovidius" U. of Constanța	865	927	825	2340	829	210	**5996**	1334	22,25
11.	Politehnica U. București	365	5515					**5880**	4962	84,39
12.	"Lucian Blaga" U. of Sibiu	320	1550	360	2610	769	65	**5674**	1626	28,66
13.	„Dunărea de Jos" U. of Galați	225	2065	345	1302	755	220	**4912**	1862	37,91
14.	Politehnica U. Timișoara	286	3870		190	215		**4561**	2040	44,73
15.	"Gh. Asachi" U.of Iași	496	3847			100		**4443**	2454	55,23
16.	U. of Pitești	315	775	115	2030	525	210	**3970**	800	20,15
17.	"Ștefan cel Mare" U. of Suceava	370	1271	60	1555	490	125	**3871**	1050	27,12
18.	Banat U. of Agricultural Sciences and Veterinary Medicine		3185	445				**3630**	1161	31,98
19.	Technical U. of Civil Engineering		2745			45		**2790**	991	35,52

No	Field of study/ University	Fundamental field (DFI)						Total students that can be enrolled in the 1st year	Budgeted places	% coverage of budgeted places offer
		Mathematics and Natural Sciences	Engineering Sciences	Biological and Biomedical Sciences	Social Sciences	Humanistic Sciences and Arts	Sport Science Physical Education			
20.	„Valahia" U. of Târgoviște	355	625		1295	270	90	**2635**	930	35,29
21.	U. of Medicine and Farmacy Bucharest			2550				**2550**	952	37,33
22.	"Aurel Vlaicu" U. of Arad	275	668		1199	310	60	**2512**	500	19,90
23.	„Vasile Alecsandri" U. of Bacău	355	710	50	835	195	322	**2467**	590	23,92
24.	Petroleum-Gas U. of Ploiești	255	950		965	225		**2395**	900	37,58
25.	"G. T. Popa" U. of Medicine and Farmacy of Iași		90	2175				**2265**	709	31,30
26.	„1st December 1918" U. of Alba-Iulia	175	195		1185	639	50	**2244**	626	27,90
27.	U. of Agricultural Sciences and Veterinary Medicine Cluj-Napoca		1745	375				**2120**	853	40,24
28.	U. Agricultural Sciences Veterinary Medicine Tm		1730	240				**1970**	630	31,98
29.	"C. Brâncuși" U. of Tg. Jiu		415	20	1235	130	90	**1890**	419	22,17
30.	U. of Petroșani	50	818		772			**1640**	605	36,89
31.	"P.Maior" U. Târgu Mureș	75	280		985	240		**1580**	404	25,57
32.	U. of Agricultural Sciences Veterinary Medicine Iași		1200	280				**1480**	645	43,58
33.	"Victor Babeș" U. Medicine of Farmacy Tm			1480				**1480**	572	38,65
34.	U. of Medicine and Farmacy Cluj-Napoca			1440				**1440**	599	41,60
35.	National U. of Political Studies and Public Administration				1280			**1280**	760	59,38

No	Field of study/ University	Fundamental field (DFI)						Total students that can be enrolled in the 1st year	Budgeted places	% coverage of budgeted places offer
		Mathematics and Natural Sciences	Engineering Sciences	Biological and Biomedical Sciences	Social Sciences	Humanistic Sciences and Arts	Sport Science Physical Education			
36.	Maritime U. of Constanța		1240					1240	120	9,68
37.	"Eftimie Murgu" U. of Reșița		320		830	50	25	1225	368	30,04
38.	U. of Medicine and Farmacy Târgu-Mureș			1160			40	1200	507	42,25
39.	"A. I. Cuza" Police Academy Bucharest		50		890	20		960	-	0,00
40.	U. of Medicine and Farmacy Craiova			840				840	286	34,05
41.	„Ion Mincu" U. of Architecture and Urbanism					625		625	253	40,48
42.	"Mircea cel Bătrân" Naval Academy		595					595	-	0,00
43.	National U. of Physical Education and Sports						537	537	180	33,52
44.	Technical Military Academy Bucharest		520					520	-	-
45.	"George Enescu" U. Arts					476		476	289	60,71
46.	National U. of Arts					465		465	204	43,87
47.	U. of Arts and Design Cluj-Napoca					302		302	148	49,01
48.	„Gheorghe Dima" Music Academy Cluj-Napoca					301		301	159	52,82
49.	"Nicolae Bălcescu" Land Forces Academy Sibiu				300			300	-	-
50.	"Henri Coandă" Air Force Academy Brașov				214			214	-	-
51.	National Defense U. "Carol I" Bucharest				198			198	-	-

No	Field of study/ University	Fundamental field (DFI)						Total students that can be enrolled in the 1st year	Budgeted places	% coverage of budgeted places offer
		Mathematics and Natural Sciences	Engineering Sciences	Biological and Biomedical Sciences	Social Sciences	Humanistic Sciences and Arts	Sport Science Physical Education			
52.	National U. of Theatre and Film "I. L. Caragiale" Bucharest					178		178	152	85,39
53.	National U. of Music, Bucharest					176		176	160	90,91
54.	U. of Arts in Târgu-Mureș					176		176	63	35,80
55.	"Mihai Viteazul" National Intelligence Academy Bucharest				85			85	-	-
	Total public HEIs	**16382**	**51263**	**14320**	**62450**	**20940**	**3737**	**169092**	**59630**	**35,26**

Annex II. 2 Ranking of private universities by the maximum number of students that can be enrolled in the 1st year, on fields of studies in the academic year 2014-2015

No.	Fundamental Field / University (U.)	Fundamental Field (DFI Code DFI)						No. of students that can be enrolled in the 1st year
		Mathematics and Natural Sciences	Engineering Sciences	Biological and Biomedical Sciences	Social Sciences	Humanistic Sciences and Arts	Sport Science and Physical Education	
1.	Spiru Haret University Bucharest	550	60	50	6765	765	485	**8675**
1.	UCDC Bucharest	250			5905	475		**6630**
2.	Romanian-American U.				3575			**3575**
3.	Titu Maiorescu U. Bucharest	200		350	1905	150		**2605**
4.	Ct Brâncoveanu U. Pitești				2510			**2510**
5.	Vasile Goldiș Western U. of Arad	245	110	495	1040	140	50	**2080**
6.	Hyperion U. Bucharest	90	100		1580	225		**1995**
7.	Nicolae Titulescu U. Bucharest				1975			**1975**
8.	Ecological U. Bucharest	200	150		1205		200	**1755**
9.	Bioterra U. Bucharest		1515		160			**1675**

No.	Fundamental Field / University (U.)	Fundamental Field (DFI Code DFI)						No. of students that can be enrolled in the 1st year
		Mathematics and Natural Sciences	Engineering Sciences	Biological and Biomedical Sciences	Social Sciences	Humanistic Sciences and Arts	Sport Science and Physical Education	
10.	George Barițiu U. Brașov				1525			1525
11.	Danubius U. Galați				1400			1400
12.	Sapientia U. Cluj-Napoca	80	495		570	155		1300
13.	Artifex U. Bucharest				905			905
14.	Andrei Șaguna U. Constanța				805			805
15.	Petre Andrei U. Iași				760			760
16.	Bogdan Vodă U. Cluj				645		90	735
17.	Partium Christian U. Oradea				320	400		720
18.	UDC Târgu Mureș	120			600			720
19.	Romanian-German U. Sibiu				425			425
20.	Athenaeum U. Bucharest				375			375
21.	Tibiscus U. Timișoara	75			300			375
22.	Agora U. of Oradea				350			350
23.	George Bacovia U. Bacău				325			325
24.	Drăgan European U. Lugoj				250			250
25.	Avram Iancu U. Cluj				100		100	200
26.	Emanuel U. Oradea				80	80		160
27.	Gh. Cristea U. Bucharest				125	30		155
28.	Apollonia U. Iași[93]			85	50			135
29.	Baptist Theological Institute Bucharest					75		75
30.	Pentecostal Theological Institute					60		60
31.	Protestant Theological Institute Cluj					50		50
32.	Adventist Theological Institute Ilfov				65	55		120

No.	Fundamental Field / University (U.)	Fundamental Field (DFI Code DFI)						No. of students that can be enrolled in the 1st year
		Mathematics and Natural Sciences	Engineering Sciences	Biological and Biomedical Sciences	Social Sciences	Humanistic Sciences and Arts	Sport Science and Physical Education	
33.	Șt Lupașcu Foundation-Instit. of European Studies Iași				100			100
34.	Roman Catholic Franciscan Theological Institute of Roman					65		65
35.	Commercial Academy Foundation of Satu Mare				400			400
36.	University Foundation Alma Mater Sibiu				420			420
	Total private HEIs	1810	2430	980	37515	2725	925	46385
TOTAL HES		18192	53693	15300	99965	23665	4662	215477

Source: Processed from *the Official Gazette of Romania, year 182 (XXVI) –No. 527, 16 July 2014, Government Ordinance (HG) 580*

Annex II. 3 Enrollment offer of state institutions and its coverage with budgeted places in Bachelor study programs in the academic year 2014-2015

Higher education institution	Total enrollment offer[99] (places)	Enrollment offer with budgeted places			Share of budgeted places in the total enrollment offer %		
		budgeted places	of which:		Total	of which:	
			Romanian language	Foreign languages		Romanian language	Foreign languages
1. Politehnica University București	5880	4962	4702	260	*84,39*	*79,97*	*4,42*
2. Technical University of Civil Engineering Bucharest	2790	991	882	109	*35,52*	*31,61*	*3,91*
3. „Ion Mincu" U. of Architecture and Urbanism Bucharest	625	253	235	18	*40,48*	*37,60*	*2,88*
4. U. of Agronomic Sciences and Veterinary Medicine of Bucharest	3630	1161	1105	56	*31,98*	*30,44*	*1,54*
5. U. of Bucharest	10846	4352	3449	903	*40,13*	*31,80*	*8,33*
6. U. of Medicine and Farmacy "Carol Davila" Bucharest	2550	952	952	0	*37,33*	*37,33*	*0,00*

Higher education institution	Total enrollment offer[99] (places)	Enrollment offer with budgeted places			Share of budgeted places in the total enrollment offer %		
		budgeted places	of which:		Total	of which:	
			Romanian language	Foreign languages		Romanian language	Foreign languages
7. Bucharest U. of Economic Studies (ASE)	**7125**	2700	2245	455	***37,89***	*31,51*	*6,39*
8. National U. of Music, Bucharest	**176**	160	160	0	***90,91***	*90,91*	-
9. National U. of Arts, Bucharest	**465**	204	204	0	***43,87***	*43,87*	-
10. National U. Theatre Film "I. L. Caragiale" Bucharest	**178**	152	152	0	***85,39***	*85,39*	-
11. National U. of Physical Education Sports, Bucharest	**537**	180	180	0	***33,52***	*33,52*	-
12. National U. of Political Studies Public Administration	**1280**	760	760	0	***59,38***	*59,38*	-
13. "1st Dec. 1918" U. of Alba Iulia	**2244**	626	576	50	***27,90***	*25,67*	*2,23*
14. "Aurel Vlaicu" U. of Arad	**2512**	500	486	14	***19,90***	*19,35*	*0,56*
15. "Vasile Alecsandri" U. of Bacău	**2467**	590	525	65	***23,92***	*21,28*	*2,63*
16. "Transilvania" U. of Brașov	**7480**	2759	2475	284	***36,89***	*33,09*	*3,80*
17. Technical U. of Cluj-Napoca	**6145**	3154	2309	845	***51,33***	*37,58*	*13,8*
18. U. Agricultural Sciences Veterinary Medicine Cluj	**2120**	853	853	0	***40,24***	*40,24*	-
19. "Babeș-Bolyai" U. Cluj-Napoca	**18894**	4825	2729	2096	***25,54***	*14,44*	*11,1*
20. U.of Medicine and Farmacy Cluj-Napoca	**1440**	599	599	0	***41,60***	*41,60*	*0,00*
21. „Gheorghe Dima" Music Academy Cluj-Napoca	**301**	159	131	28	***52,82***	*43,52*	*9,30*
22. U. of Art and Design Cluj-Napoca	**302**	148	148	0	***49,01***	*49,01*	*0,00*
23. "Ovidius" U. of Constanța	**5996**	1334	1222	112	***22,25***	*20,38*	*1,87*
24. Maritime U. Constanța	**1240**	120	120	0	***9,68***	*9,68*	*0,00*
25. U.of Craiova	**6959**	2879	2368	511	***41,37***	*34,03*	*7,34*
26. U. of Medicine and Farmacy Craiova	**840**	286	286	0	***34,05***	*34,05*	*0,00*
27. "Dunărea De Jos" U. of Galați	**4912**	1862	1596	266	***37,91***	*32,49*	*5,42*
28. "Gh. Asachi" Technical U. Iași	**4443**	2454	2376	78	***55,23***	*53,48*	*1,76*
29. U. of Agricultural Sciences Veterinary Medicine Iași	**1480**	645	645	0	***43,58***	*43,58*	*0,00*
30. Alexandru Ioan Cuza" U."Iași	**10385**	3443	3017	426	***33,15***	*29,05*	*4,10*

Higher education institution	Total enrollment offer[55] (places)	Enrollment offer with budgeted places			Share of budgeted places in the total enrollment offer %		
		budgeted places	of which:		Total	of which:	
			Romanian language	Foreign languages		Romanian language	Foreign languages
31. "Gr. T. Popa" U. of Medicine and Farmacy Iași	2265	709	709	0	31,30	31,30	0,00
32. "George Enescu" U. of Arts Iași	476	289	289	0	60,71	60,71	0,00
33. U. of Oradea	6057	1615	1468	147	26,66	24,24	2,43
34. U.of Petroșani	1640	605	605	0	36,89	36,89	0,00
35. U. of Pitești	3970	800	712	88	20,15	17,93	2,22
36. Petroleum-Gas U. of Ploiești	2395	900	900	0	37,58	37,58	0,00
37. "Eftimie Murgu" U. of Reșița	1225	368	353	15	30,04	28,82	1,22
38. "Lucian Blaga" U. of Sibiu	5674	1626	1459	167	28,66	25,71	2,94
39. "Ștefan Cel Mare" U. Suceava	3871	1050	917	133	27,12	23,69	3,44
40. "Valahia" U. of Târgoviște	2635	930	819	111	35,29	31,08	4,21
41. "Ct. Brâncuși" U. of Târgu Jiu	1890	419	419	0	22,17	22,17	0,00
42. "Petru Maior" U.Târgu Mureș	1580	404	365	39	25,57	23,10	2,47
43. U. of Medicine and Farmacy Tg Mureș	1200	507	273	234	42,25	22,75	19,5
44. U. of Arts Târgu Mureș	176	63	28	35	35,80	15,91	19,9
45. Politehnica U. Timișoara	4561	2040	1784	256	44,73	39,11	5,61
46. Banat's U. Agricultural Sciences and Veterinary Medicine Timișoara	1970	630	630	0	31,98	31,98	0,00
47. West U. of Timișoara	6913	2040	1671	369	29,51	24,17	5,34
48. "Victor Babeș" U. of Medicine Farmacy Timișoara	1480	572	572	0	38,65	38,65	0,00
49. Technical Military Academy Bucharest	520	520	LD	LD	-	-	-
50. National Defense University "Carol I" București	198	198	LD	LD	-	-	-
51. "Mihai Viteazul" National Academy Bucharest	85	85	LD	LD	-	-	-
52. "Alexandru Ioan Cuza" Police Academy Bucharest	960	960	LD	LD	-	-	-
53. "Henri Coandă" Air Force Academy Brașov	214	214	LD	LD	-	-	-
54. "Mircea Cel Bătrân" Naval Academy Constanța	595	595	LD	LD	-	-	-
55. "Nicolae Bălcescu" Land Forces Academy Sibiu	300	300	LD	LD	-	-	-
Total	**169092**	**62502**	**51460**	**8170**	**36,96**	**30,43**	**4,83**

Annex II.2 Generations that will represent the training demand for higher education in the view of 2020 horizon

Annex II. 7a. Age in completed years by school years, classes, generations and ages

Year		2014 2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	Generation
		20	21	22	23	24	25	1993
	Class	19	20	21	22	23	24	1994
High school ISCED 3	XII	18	19	20	21	22	23	1995
	XI	17	18	19	20	21	22	1996
	X	16	17	18	19	20	21	1997
	IX	15	16	17	18	19	20	1998
Gymnasium ISCED 2	VIII	14	15	16	17	18	19	1999
	VII	13	14	15	16	17	18	2000
	VI	12	13	14	15	16	17	2001
	V	11	12	13	14	15	16	2002
Primary school ISCED 1	IV	10	11	12	13	14	15	2003
	III	9	10	11	12	13	14	2004
	II	8	9	10	11	12	13	2005
	I	7	8	9	10	11	12	2006
	0	6	7	8	9	10	11	2007

Source: Elaborated by authors

Annex II.7b. Generations of young people by age and school years

Age / year	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
18 years	1996	1997	1998	1999	2000	2001
	1995	1996	1997	1998	1999	2000
19 years	1995	1996	1997	1998	1999	2000
	1994	1995	1996	1997	1998	1999
20 years	1994	1995	1996	1997	1998	1999
	1993	1994	1995	1996	1997	1998

Source: Elaborated by authors

Annex II. 3. Fundamental demographic projection of school population in the view of 2020 horizon. Stage I – survivors who come from the school population at the beginning of the school year 2014-2015, by annual age and gender

Generations	Age (years)	**Male**	Perspective probability of survival p'x masc	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
2000; 2001	13	98403	0,99970					
1999; 2000	14	102756	0,99960	98373				
1998;1999	15	95293	0,99956	102714	98334			
1997;1998	16	97349	0,99953	95251	102669	98290		

1996;1997	17	84503	0,99944	97303	95206	102620	98244	
1995;1996	18	76086	0,99930	84455	97248	95152	102562	98188
1994;1995	19	46165	0,99920	76033	84396	97180	95085	102491
1993;1994	20	39917	0,99910	46128	75972	84329	97102	95009
Total masc 18-20		**162168**		**206616**	**257616**	**276660**	**294750**	**295688**
Generations	Age (years)	**Female**	Perspective probability of survival p'x fem	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
2000; 2001	13	92658	0,99985					
1999; 2000	14	96231	0,99975	92644				
1998;1999	15	90897	0,99971	96207	92620			
1997;1998	16	90181	0,99973	90871	96179	92594		
1996;1997	17	81282	0,99968	90156	90846	96153	92568	
1995;1996	18	77358	0,99966	81256	90127	90816	96121	92538
1994;1995	19	56606	0,99971	77331	81228	90096	90785	96088
1993;1994	20	53138	0,99969	56590	77309	81204	90070	90758
Total fem. 18-20		**187102**		**215176**	**248663**	**262116**	**276976**	**279385**
Total both genders		**349270**		**421793**	**506279**	**538776**	**571726**	**575073**

Source: Authors' calculations based on data from Tempo-Online, INS and notebooks from the starting and ending of school year for gymnasium education, high school and higher education, 2012-2013, 2013-2014 and the beginning of 2014-2015 year.

Annex II.9. Stage II – Projection of school population by generations, ages and genders in the period 2015-2020

Annex II. 9a. Masculin

Generations	Age (years)	Enrollment rate Masculin(%)	Effective in school year				
			2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
2000; 2001	13	0,912					
1999; 2000	14	0,712	89684	0	0	0	0
1998;1999	15	0,745	73133	93105	0	0	0
1997;1998	16	0,737	70962	84597	80989	0	0
1996;1997	17	0,720	71745	78938	85086	81457	0
1995;1996	18	0,315	60808	93650	91631	98768	94555
1994;1995	19	0,315	72138	80073	92201	90214	97240
1993;1994	20	0,315	37296	61425	68182	78509	76817
Boys high school graduates	**18-20 years**		**100294**	**121534**	**126766**	**135426**	**132985**
Boys that promoted the baccalaureat	**18-20 years**	**0,418**	41923	50801	52988	56608	55588
Boys that could possibly enroll in faculty	**18-20 years**	**0,473**	38601	46776	48790	52123	51183

Annex II. 9b. Feminine

Generations	Age (years)	Enrollment rate Feminine %	Effective in school year				
			2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
2000; 2001	13	0,902					
1999; 2000	14	0,681	83565	0	0	0	0
1998;1999	15	0,780	65485	63044	0	0	0
1997;1998	16	0,783	70909	75052	72254	0	0
1996;1997	17	0,768	70562	71102	75255	72450	0
1995;1996	18	0,350	62431	69248	69777	73853	71100
1994;1995	19	0,300	27066	28430	31534	31775	33631
1993;1994	20	0,300	16977	23193	24361	27021	27228
Girls high school graduates	**18-20 years**		**107632**	**122036**	**126907**	**133838**	**131958**
Girls that promoted the baccalaureat	**18-20 years**	0,631	67916	77005	80078	84451	83266
Girls that could possibly enroll in faculty	**18-20 years**	0,577	56062	63565	66102	84451	68733

Source: Authors' calculations based on data from Tempo-Online, INS and from INS notebooks from the starting of school year for gymnasium education, high school and higher education, 2012-2013, 2013-2014 and the beginning of 2014-2015 year.

Annex II. 10. Enrollment rates from one class to another by passing from one age to another/(high school graduation), by gender and class, 2013-2014/2014-2015

Age	Class	Masculin	Feminine
12	VI	0,926	0,947
13	VII	0,964	0,975
14	VIII	0,947	0,963
15	IX	0,824	0,908
16	X	0,829	0,925
17	XI	0,963	0,998
18	XII	0,949	0,957
High school graduation rate		0,809	0,853
The propensity of enrollment in college for the first time, from the current class of 2013-2014		0,473	0,577

Source: Authors' calculations based on data from Tempo-Online, INS and from INS notebooks from the starting and ending of school year for gymnasium education, high school and higher education, 2012-2013, 2013-2014 and the beginning of 2014-2015 year.