

Widening Participation in Higher Education in Ghana and Tanzania: Developing an Equity Scorecard

An ESRC/DfID Poverty Reduction Programme funded Research Project

Equity Scorecards on Access to Higher Education Tanzanian Public University



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Glossary of terms used in the Equity Scorecards:

Level:

Level refers to the year of study. For example, Level 100 means the first year of the programme, Level 200 the second year.

Low SES students:

Ghana: Students who attended a senior secondary school classified as ‘deprived’ or ‘very deprived’ by the Amedahe Committee at the university of Cape Coast. A ‘deprived’ school is defined as being a (public) senior secondary school that has poor infrastructural facilities, non-qualified and insufficient teaching staff, and which will admit students who achieved lower than average grades in the Basic Secondary School Certificate.

Tanzania: Students who attended a junior secondary government or community school in the poorest 53 districts of the country, based on the proportion of the population living below the 2000/1 basic needs poverty line (262 Tanzanian shillings per adult equivalent per day).

Mature Students:

Students aged 30 years or over on admission to university.

Diversified routes:

Direct

Entry to programme based on senior secondary school certificate.

Equivalent

Entry to programme based on other qualifications than SSS certificates (e.g. ‘O’ levels, technical college diplomas and certificates, etc) or the successful completion of pre-entry programmes or examinations.

Mature

Entry to programme based on mature entry examinations.

Gender Index:

Percentage of women in the selected group (low SES students or mature students) divided by the percentage of women on the programme.

Poverty Index:

Percentage of low SES students in the selected group (women or mature students) divided by the percentage of low SES students on the programme.

ESC SET 2: Access to Four Programmes According to Age, Gender and Socio-Economic Status

ESC 2.9 Access to Level 100 on Four Programmes at a Public University in Tanzania According to Age, Gender and Socio -Economic Status in 2007/2008

Programme	% of Students on the Programme										
	Men	Women	Low SES			Age 30 or over			Mature and Low SES		
			Total	Men	Women	Total	Men	Women	Total	Men	Women
B. Commerce	66.88	33.12	7.59	5.82	1.78	1.62	1.45	0.16	0.00	0.00	0.00
LLB.Law	71.88	28.13	14.58	11.46	3.13	2.08	1.04	1.04	1.04	1.04	0.00
B.Sc. Engineering	73.96	26.04	8.85	6.88	1.97	0.98	0.49	0.49	0.00	0.00	0.00
B. Science with Education	83.75	16.25	18.75	16.25	2.50	0.75	0.75	0.00	2.08	2.08	0.00

ESC 2.11 Access to Level 200 on Four Programmes at a Public University in Tanzania According to Age, Gender and Socio -Economic Status

Programme	% of Students on the Programme										
	Men	Women	Low SES			Age 30 or over			Mature and Low SES		
			Total	Men	Women	Total	Men	Women	Total	Men	Women
B. Commerce	67.59	32.41	8.27	7.94	0.32	1.13	1.13	0.00	0.16	0.16	0.00
LLB.Law	44.07	55.93	11.30	6.21	5.08	0.00	0.00	0.00	0.00	0.00	0.00
B.Sc. Engineering	75.05	24.95	10.14	8.77	1.36	1.36	0.19	1.17	0.00	0.00	0.00
B. Science with Education	88.80	11.20	28.00	27.20	0.80	4.80	4.80	0.00	1.60	1.60	0.00

ESC 2.13 Access to Level 300 on Four Programmes at a Public University in Tanzania According to Age, Gender and Socio-Economic Status

Programme	% of Students on the Programme										
	Men	Women	Low SES			Age 30 or over			Mature and Low SES		
			Total	Men	Women	Total	Men	Women	Total	Men	Women
B. Commerce	70.36	29.64	6.57	6.19	0.38	2.06	1.88	0.19	0.19	0.19	0.00
LLB.Law	58.80	41.20	12.02	9.01	3.00	6.44	5.58	0.86	0.43	0.43	0.00
B.Sc. Engineering	76.83	23.17	9.82	9.07	0.76	1.76	1.26	0.50	0.25	0.25	0.00
B. Science with Education	65.52	34.48	18.39	18.39	0.00	8.05	4.60	3.45	1.15	1.15	0.00

ESC 2.15 Access to Level 400 on Four Programmes at a Public University in Tanzania According to Age, Gender and Socio-Economic Status

Programme	% of Students on the Programme										
	Men	Women	Low SES			Age 30 or over			Mature and Low SES		
			Total	Men	Women	Total	Men	Women	Total	Men	Women
LLB.Law	58.90	41.10	8.05	7.20	0.85	5.08	4.24	0.85	1.27	1.27	0.00
B.Sc. Engineering	74.66	25.34	10.78	9.70	1.08	4.31	2.70	1.62	1.08	0.81	0.27
B. Science with Education	61.04	38.96	10.39	7.79	2.60	5.19	2.60	2.60	0.00	0.00	0.00

ESC SET 3: Access to Different Programmes According to Age, Gender and Socio-Economic Status by Levels in 2007/2008

ESC 3.9 Access to B. Commerce According to Age, Gender and Socio-Economic Status at a Public University in Tanzania by Levels in 2007/2008

B. Commerce	% of Students on the Programme										
	Men	Women	Low SES			Age 30 or over			Mature and Low SES		
			Total	Men	Women	Total	Men	Women	Total	Men	Women
Level 100	66.88	33.12	7.59	5.82	1.78	1.62	1.45	0.16	0.00	0.00	0.00
Level 200	67.59	32.41	8.27	7.94	0.32	1.13	1.13	0.00	0.16	0.16	0.00
Level 300	70.36	29.64	6.57	6.19	0.38	2.06	1.88	0.19	0.19	0.19	0.00

ESC 3.10 Access to LLB. Law According to Age, Gender and Socio-Economic Status at a Public University in Tanzania by Levels in 2007/2008

LLB. Law	% of Students on the Programme										
	Men	Women	Low SES			Age 30 or over			Mature and Low SES		
			Total	Men	Women	Total	Men	Women	Total	Men	Women
Level 100	71.88	28.13	14.58	11.46	3.13	2.08	1.04	1.04	1.04	1.04	0.00
Level 200	44.07	55.93	11.30	6.21	5.08	0.00	0.00	0.00	0.00	0.00	0.00
Level 300	58.80	42.20	12.02	9.01	3.00	6.44	5.58	0.86	0.43	0.43	0.00
Level 400	58.90	41.10	8.05	7.20	0.85	5.08	4.24	0.85	1.27	1.27	0.00

ESC 3.11 Access to B.Sc. Engineering According to Age, Gender and Socio-Economic Status at a Public University in Tanzania by Levels in 2007/2008

B.Sc. Engineering	% of Students on the Programme										
	Men	Women	Low SES			Age 30 or over			Mature and Low SES		
			Total	Men	Women	Total	Men	Women	Total	Men	Women
Level 100	73.96	26.04	8.85	6.88	1.97	0.98	0.49	0.49	0.00	0.00	0.00
Level 200	75.05	24.95	10.14	8.77	1.36	1.36	0.19	1.17	0.00	0.00	0.00
Level 300	76.83	23.17	9.82	9.07	0.76	1.76	1.26	0.50	0.25	0.25	0.00
Level 400	74.66	25.34	10.78	9.70	1.08	4.31	2.70	1.62	1.08	0.81	0.27

ESC 3.12 Access to B. Science with Education According to Age, Gender and Socio-Economic Status at a Public University in Tanzania by Levels in 2007/2008

B. Science with Education	% of Students on the Programme										
	Men	Women	Low SES			Age 30 or over			Mature and Low SES		
			Total	Men	Women	Total	Men	Women	Total	Men	Women
Level 100	83.75	16.25	18.75	16.25	2.50	7.50	7.50	0.00	2.08	2.08	0.00
Level 200	88.80	11.20	28.00	27.20	0.80	4.80	4.80	0.00	1.60	1.60	0.00
Level 300	65.52	34.48	18.39	18.39	0.00	8.05	4.60	3.45	1.15	1.15	0.00
Level 400	61.04	38.96	10.39	7.79	2.60	5.19	2.60	2.60	0.00	0.00	0.00

ESC SET 4: Access amongst Women, Low SES Students and Mature Students on 4 Programmes in 2007/2008

ESC 4.9 Access amongst Women, Low SES Students and Mature Students on 4 Programmes at Level 100 of a Tanzanian Public University in 2007/2008

Programme	Male Students		Female Students		Low SES Students			Mature Students		
	% Age 30 or over	% Low SES	% Age 30 or over	% Low SES	% Male	% Women	% Age 30 or over	% Male	% Women	% Low SES
B. Commerce	2.17	8.70	0.49	5.37	76.60	23.40	0.00	90.00	10.00	0.00
LLB. Law	1.45	15.94	3.70	11.11	78.57	21.43	7.14	50.00	50.00	50.00
B.Sc. Engineering	0.66	9.30	1.89	7.55	77.78	22.22	0.00	50.00	50.00	0.00
B. Science with Education	8.96	19.40	0.00	15.38	86.67	13.13	11.11	100	0.00	27.78

ESC 4.11 Access amongst Women, Low SES Students and Mature Students on 4 Programmes at Level 200 of a Tanzanian Public University in 2007/2008

Programme	Male Students		Female Students		Low SES Students			Mature Students		
	% Age 30 or over	% Low SES	% Age 30 or over	% Low SES	% Male	% Women	% Age 30 or over	% Male	% Women	% Low SES
B. Commerce	1.68	11.75	0.00	1.00	96.08	3.92	1.96	100	0.00	14.29
LLB. Law	0.00	14.10	0.00	9.09	55.00	45.00	0.00	--	--	--
B.Sc. Engineering	0.26	11.69	4.69	5.47	86.54	13.46	0.00	14.29	85.71	0.00
B.Science with Education	5.41	30.63	0.00	7.14	97.14	2.86	5.71	100	0.00	33.33

ESC 4.13 Access amongst Women, Low SES Students and Mature Students on 4 Programmes at Level 300 of a Tanzanian Public University in 2007/2008

Programme	Male Students		Female Students		Low SES Students			Mature Students		
	% Age 30 or over	% Low SES	% Age 30 or over	% Low SES	% Male	% Women	% Age 30 or over	% Male	% Women	% Low SES
B. Commerce	2.67	8.80	0.63	1.27	94.29	5.71	2.86	90.91	9.09	9.09
LLB.Law	9.49	15.33	2.08	7.29	75.00	25.00	3.57	86.67	13.33	6.67
B.Sc. Engineering	1.64	11.80	2.17	3.26	92.31	7.69	2.56	71.43	28.57	14.29
B. Science with Education	7.02	28.07	10.00	0.00	100	0.00	6.25	57.14	42.86	14.29

ESC 4.15 Access amongst Women, Low SES Students and Mature Students on 4 Programmes at Level 400 of a Tanzanian Public University in 2007/2008

Programme	Male Students		Female Students		Low SES Students			Mature Students		
	%Age30 or over	%Low SES	%Age30 or over	%Low SES	% Male	% Women	%Age30 or over	% Male	% Women	%Low SES
LLB.Law	7.19	12.23	2.06	2.06	89.47	10.53	15.79	83.33	16.67	25.00
B.Sc. Engineering	3.61	13.00	6.38	4.26	90.00	10.00	10.00	62.50	37.50	25.00
B. Science with Education	4.26	12.77	6.67	6.67	75.00	25.00	0.00	50.00	50.00	0.00

ESC SET 5: Opening Access through Diversified Routes on 4 Programmes in 2007/2008¹

ESC 5.9 Opening Access through Diversified Routes at Level 100 on 4 Programmes of a Public Tanzanian University in 2007/2008

Programme	% of All Students			% of Male Students			% of Female Students			% of Low SES Students			% of Mature Students		
B. Commerce	97.42	2.58	0.00	97.10	2.90	0.00	98.05	1.95	0.00	93.62	6.38	0.00	50.00	50.00	0.00
LLB. Law	97.92	2.08	0.00	98.55	1.45	0.00	96.30	3.70	0.00	92.86	7.14	0.00	0.00	100	0.00
B.Sc. Engineering	93.12	6.88	0.00	90.70	9.30	0.00	100	0.00	0.00	97.22	2.78	0.00	50.00	50.00	0.00
B. Science with Education	97.08	2.92	0.00	96.52	3.48	0.00	100	0.00	0.00	93.33	6.67	0.00	66.67	33.33	0.00

ESC 5.11 Opening Access through Diversified Routes at Level 200 on 4 Programmes of a Public Tanzanian University in 2007/2008

Programme	% of All Students			% of Male Students			% of Female Students			% of Low SES Students			% of Mature Students		
B. Commerce	98.06	1.62	0.16	98.56	1.20	0.24	97.00	2.50	0.00	98.04	1.96	0.00	28.57	57.14	0.00
LLB. Law	98.31	1.69	0.00	96.15	3.85	0.00	100	0.00	0.00	95.00	5.00	0.00	--	--	--
B.Sc. Engineering	94.15	0.97	0.00	98.70	1.04	0.00	80.47	0.78	0.00	100	0.00	0.00	57.14	0.00	0.00
B. Science with Education	99.20	0.80	0.00	99.10	0.90	0.00	100	0.00	0.00	97.14	2.86	0.00	83.33	16.67	0.00

¹ There were several missing data on access routes at this university. Therefore ESC Set 5 should be considered as indicative only.

ESC 5.13 Opening Access through Diversified Routes at Level 300 on 4 Programmes of a Public Tanzanian University in 2007/2008

Programme	% of All Students			% of Male Students			% of Female Students			% of Low SES Students			% of Mature Students		
B. Commerce	98.12	1.31	0.00	99.20	0.80	0.00	95.57	2.53	0.00	100	0.00	0.00	63.64	36.36	0.00
LLB. Law	94.85	4.29	0.86	91.97	6.57	1.46	98.96	1.04	0.00	100	0.00	0.00	40.00	53.33	6.67
B.Sc. Engineering	90.93	2.27	0.00	97.05	2.62	0.00	70.65	1.09	0.00	89.74	5.13	0.00	71.43	0.00	0.00
B. Science with Education	87.36	2.30	0.00	96.49	3.51	0.00	70.00	0.00	0.00	93.75	6.25	0.00	57.14	28.57	0.00

ESC 5.15 Opening Access through Diversified Routes at Level 400 on 4 Programmes of a Public Tanzanian University in 2007/2008

Programme	% of All Students			% of Male Students			% of Female Students			% of Low SES Students			% of Mature Students		
LLB. Law	90.68	6.78	2.54	92.09	5.04	2.88	88.66	9.28	2.06	84.21	5.26	10.53	25.00	50.00	25.00
B.Sc. Engineering	88.68	2.96	0.00	96.03	3.97	0.00	67.02	0.00	0.00	85.00	10.00	0.00	68.75	6.25	0.00
B. Science with Education	84.42	0.00	0.00	100	0.00	0.00	60.00	0.00	0.00	100	0.00	0.00	75.00	0.00	0.00

ESC SET 6: Measuring Intersection through Indices on 4 Programmes in 2007/2008

ESC 6.9 Measuring Intersection through Indices on 4 Programmes at Level 100 of a Public University in Tanzania in 2007/2008

Programme	% Women on Programme	% Low SES Students on Programme	Gender Index for Low SES Students	Gender Index for Mature Students	Poverty Index for Women	Poverty Index for Mature Students
B. Commerce	33.12	7.59	0.71	0.30	0.71	0.00
LLB. Law	28.13	14.58	0.76	1.78	0.76	3.43
B.Sc. Engineering	26.04	8.85	0.85	1.92	0.85	0.00
B. Science^{with} Education	16.25	18.75	0.81	0.00	0.82	1.48

Gender Index: Percentage of women on group (low SES or mature students) ÷ Percentage of women on programme
 Poverty Index: Percentage of low SES students on group (women or mature students) ÷ Percentage of low SES students on programme

ESC 6.11 Measuring Intersection through Indices on 4 Programmes at Level 200 of a Public University in Tanzania in 2007/2008

Programme	% Women on Programme	% Low SES Students on Programme	Gender Index for Low SES Students	Gender Index for Mature Students	Poverty Index for Women	Poverty Index for Mature Students
B. Commerce	32.41	8.27	0.12	0.00	0.12	1.73
LLB. Law	55.93	11.3	0.80	--	0.80	--
B.Sc. Engineering	24.95	10.14	0.54	3.44	0.54	0.00
B. Science^{with} Education	11.2	28	0.26	0.00	0.26	1.19

Gender Index: Percentage of women on group (low SES or mature students) ÷ Percentage of women on programme
 Poverty Index: Percentage of low SES students on group (women or mature students) ÷ Percentage of low SES students on programme

ESC 6.13 Measuring Intersection through Indices on 4 Programmes at Level 300 of a Public University in Tanzania in 2007/2008

Programme	% Women on Programme	% Low SES Students on Programme	Gender Index for Low SES Students	Gender Index for Mature Students	Poverty Index for Women	Poverty Index for Mature Students
B. Commerce	29.64	6.57	0.19	0.31	0.19	1.38
LLB.Law	41.2	12.02	0.61	0.32	0.61	0.55
B.Sc. Engineering	23.17	9.82	0.33	1.23	0.33	1.46
B. Science^{with} Education	34.48	18.39	0.00	1.24	0.00	0.78

Gender Index: Percentage of women on group (low SES or mature students) ÷ Percentage of women on programme
 Poverty Index: Percentage of low SES students on group (women or mature students) ÷ Percentage of low SES students on programme

ESC 6.15 Measuring Intersection through Indices on 4 Programmes at Level 400 of a Public University in Tanzania in 2007/2008

Programme	% Women on Programme	% Low SES Students on Programme	Gender Index for Low SES Students	Gender Index for Mature Students	Poverty Index for Women	Poverty Index for Mature Students
LLB.Law	41.1	8.05	0.26	0.41	0.26	3.11
B.Sc. Engineering	25.34	10.78	0.39	1.48	0.40	2.32
B. Science^{with} Education	38.96	10.39	0.64	1.28	0.64	0.00

Gender Index: Percentage of women on group (low SES or mature students) ÷ Percentage of women on programme
 Poverty Index: Percentage of low SES students on group (women or mature students) ÷ Percentage of low SES students on programme