

**Table 18.1: Enrolment in centres of excellence in West Africa, 2014–2018**

Country	Lead institution	Focus of centre of excellence	PhD	Master's	Short-term	Total, 2014–2018
Benin	University of Abomey-Calavi	Applied mathematics and informatics	220	616	61	897
Burkina Faso	International Institute of Water and Environmental Engineering (2iE)	Water, energy, environmental sciences and technologies	53	1 569	515	2 137
Cameroon	University of Yaoundé	Information and communication technologies (ICTs)	130	971	839	1 940
Côte d'Ivoire	Felix Houphouët-Boigny National Polytechnique Institute	Sustainable mining	12	230	28	270
Côte d'Ivoire	Felix Houphouët-Boigny University	Climate change, biodiversity and agriculture	86	43	0	129
Côte d'Ivoire	Higher School of Statistics and Applied Economics	Statistics and applied economics	0	416	113	529
Ghana	Kwame Nkrumah University of Science and Technology	Water and environmental sanitation	112	277	489	878
Ghana	University of Ghana	Plant breeding, seed science and technology	44	36	1 020	1 100
Ghana	University of Ghana	Cell and molecular biology of infectious pathogens	70	116	132	318
Nigeria	Redeemer's University	Genomics of infectious diseases (malaria, Lassa, Ebola)	29	41	439	509
Nigeria	University of Port Harcourt	Oilfield chemicals research	126	494	615	1 235
Nigeria	Ahmadu Bello University	Neglected tropical diseases and forensic biotechnology	81	239	461	781
Nigeria	Federal University of Agriculture	Agricultural development and sustainable environment	57	142	151	350
Nigeria	Bayero University, Kano	Dryland agriculture	91	260	501	852
Nigeria	Benue State University	Food technology and research	105	308	689	1 102
Nigeria	University of Benin	Reproductive health and population studies	59	451	762	1 272
Nigeria	Obafemi Awolowo University	Science, technology and knowledge	87	327	1 007	1 421
Nigeria	University of Jos	Phytomedicine research and development	161	586	716	1 463
Senegal	Cheikh Anta Diop University	Maternal and infant health	193	168	504	865
Senegal	University Gaston Berger	Mathematics, informatics and ICTs	204	1 110	42	1 356
Togo	University of Lomé	Poultry sciences	55	115	446	616
Togo	African University of Science and Technology	Materials science and engineering	79	115	1 081	1 275
<b>TOTAL</b>			<b>2 054</b>	<b>8 630</b>	<b>10 611</b>	<b>21 295</b>
<b>Share of total enrolment (%)</b>			<b>9.6</b>	<b>40.6</b>	<b>49.8</b>	

Note: In November 2019, the World Bank approved funding to create new centres of excellence and consolidate existing ones in Benin, The Gambia, Niger, Nigeria and Togo. For background, see Essegbey *et al.* (2015).

Source: <https://ace.aau.org/>; Aticken and Stenseth (2019)