List of Programs in First degree

S.No	Band	Name of the Program	AASTU	ASTU	AAU	Adigrat
1	1	Agricultural Engineering				
2	1	Agricultural Resource Economics and Mgt'				
3	1	Agricultural Resource Economics and Mgt'				
4	1	Applied Human Nutrition				
5	1	Architectural Engineering				
6	1	Architecture	x	x	x	
7	1	Architecture and Urban Planning				
8	1	Automotive Engineering				
9	1	BED in Information Technology				
10	1	Bio-Medical Engineering			x	
11	1	Bio-Systems Engineering				
12	1	Biotechnology	x			x
13	1	Cadastral Surveying and Geomatics				
14	1	Center of material Engineering			x	
15	1	Chemical Engineering	x	x	x	
16	1	Civil Engineering	x	x	x	x
17	1	Computer Engineering				
18	1	Computer Science			x	x
19	1	Computer Science and Engineering		x		
20	1	Construction and Building Technology and				
21	1	Construction Technology and Management			x	x
22	1	Electrical and Computer Engineering			x	x
23	1	Electrical and Computer Engineering (Electric power				
24	1	Electrical and Computer Engineering (Electronic				
25	1	Electrical Engineering (Electronic Communication,			x	
26	1	Electrical and Computer Engineering (Industrial				
27	1	Electrical and Electronics Engineering				
28	1	Electrical Engineering	x			
29	1	Electrical power and Control Engineering		x		
30	1	Electro-Mechanical Engineering	x			
31	1	Electronics and Communication Engineering		x		
32	1	Engineering Drawing and Design				
33	1	Environmental Engineering	x			
34	1	Environmental technology and Engineering				
35	1	Fashion Design				
36	1	Food Engineering				
37	1	Food Process Engineering				
38	1	Food Science and Postharvest Technology				
39	1	Food Science and Postharvest Technology				
40	1	Food Technology and Process Engineering				
41	1	Garment Engineering				
42	1	Geomatics Engineering				
43	1	Grament and Appareal Design				

44	1	Hydraulic and Water Resources Engineering				
45	1	Hydraulics and Water Resource Engineering				
46	1	Hydraulics Engineering				
47	1	Industrial Engineering				
48	1	Industrial Engineering and Technology,				
49	1	Information Communication Technology				
50	1	Information Communication Technology (BED.)				
51	1	Information Management & Services				
52	1	Information Science				
53	1	Information Systems			x	
54	1	Information Technology			x	x
55	1	Irrigation and Water Resource Engineering				
56	1	Leather Engineering				
57	1	Leather Technology			x	
58	1	Manufacturing Engineering				
59	1	Material Science Engineering				
60	1	Materials Science and Engineering		x		
61	1	Mechanical Engineering	x	x	x	x
62	1	Mechanical Engineering and Mechanics				
63	1	Meteorology and Hydrology				
64	1	mineral Engineering				
65	1	Mineral Processing and Metallurgical Engineering				
66	1	Mineral Processing Engineering				
67	1	Mining Engineering	x			
68	1	Petroleum Engineering				
69	1	Production Engineering				
70	1	Radiology				
71	1	Software Engineering	x		x	
72	1	Survey Engineering				
73	1	Surveying Engineering and Mapping				
74	1	Technical Drawing				
75	1	Textile and Apparel Merchandizing				
76	1	Textile Engineering				
77	1	Urban and Regional Planning			x	
78	1	Urban land management and Information system				
79	1	Urban Landuse Planning and Management				
80	1	Urban Planning				x
81	1	Water Resource and Irrigation Engineering				
82	1	Water Resources Engineering		x		
83	1	Water Supply and Environmental Engineering				
84	2	Applied Biology		x		
85	2	Applied Chemistry		x		
86	2	Applied Geology		x		
87	2	Applied Mathematics		x		
88	2	Applied Physics		x		
89	2	Aquaculture and Fishery Management				
90	2	Biological Laboratory Science				
91	2	Biological laboratory Technology				

92	2	Biology				x
93	2	Bio-Technology				
94	2	Chemical Science Labortory Technology				
95	2	Chemistry			x	x
96	2	Chemistry Laboratory Science and Management				
97	2	Computer Science				
98	2	Earth Science and Geology				
99	2	Ecotourism & Bio-diversity Conservation				
100	2	Ecotourism and Bio-Diversity				
101	2	Environmental Management				
102	2	Environmental Science				x
103	2	Environmental Science & Ecotoxicology				
104	2	Food Science and Nutrition	x			
105	2	Forensic Chemistry and Toxicology				
106	2	Geo- Environmental Science				
107	2	Geographic and Information Science				
108	2	Geology	x		x	x
109	2	Gis (Geography Information Science)				
110	2	Human Nutrition				
111	2	Human Nutrition and Food Science				
112	2	Industrial Chemistry	x			
113	2	Library Science			x	
114	2	Mathematics			x	x
115	2	Medical Laboratory Science and Technology				
116	2	Meteorology				
117	2	Natural Science				
118	2	Nutrition				
119	2	Physics			x	x
120	2	Physics Laboratory Technology				
121	2	Sport Science			x	x
122	2	Sport Science (BED)				
123	2	Statistics			x	x
124	4	Agri- Marketing				
125	4	Agri-Business and Value Chain Management				
126	4	Agricultural Extension				
127	4	Agriculture				
128	4	Agro-Forestry				
129	4	Agronomy				
130	3	Anesthesia			x	
131	4	Animal and Range Sciences				
132	4	Animal Health				
133	4	Animal Production				x
134	4	Animal Science				
135	3	Clinical Nursing				
136	4	Crop Production				
137	4	Crop Science				
138	3	Dental Medicine				
139	3	Dentistry				

140	3	Dietetics				
141	3	Doctor of Dental Medicine (DDM)			x	
142	3	Emergence and ICU specialty nursing				
143	3	Emergency and Critical Care Nursing				
144	3	Environmental Health Science				
145	3	Health Education and Promotion				
146	3	Health extension				
147	3	Health Informatics				
148	3	Health Information				
149	3	Medical Laboratory				
150	3	Medical Laboratory Science			x	
151	3	Medical Laboratory Technology				
152	3	Medical Radiology Technology			x	
153	3	Medicine			x	
154	3	Midwifery			x	x
155	3	Neonatal Nursing				
156	3	Nursing			x	x
157	3	Occupational Health				
158	3	Operating Theater Nursing				
159	3	Operation Room Theater Nursing				
160	3	Operative theater specialty nursing				
161	3	Opthalmic Nursing				
162	3	Optometry				
163	3	Pediatric Nursing				
164	3	Pediatrics and Child Health Nursing				
165	3	Pharmacy			x	x
166	3	Physiotherapy				
167	3	Post Anesthesia				
168	3	Post Basic Emergency and Critical Care Nursing				
169	3	Post Basic Medical Laboratory Science				
170	3	Post Basic Midwifery				
171	3	Post Basic Nursing				
172	3	Post basic Opthalmic Nursing				
173	3	Post Basic Pediatric Nursing				
174	3	Post Basic Pharmacy				
175	3	Post Basic Psychiatric Nursing				
176	3	Postbasic Neonatal				
177	3	Postbasic Oncology Nursing				
178	3	Postbasic Operating Nursing				
179	3	Postbasic Surgical Nursing				
180	3	Psychiatric Nursing				x
181	3	Psychiatric specialty nursing				
182	3	Psychiatry				
183	3	Public Health				x
184	3	Public Health Officer				
185	3	Radiology & Medical Radiology Technology				
186	3	Surgical Nursing				
187	3	Surgical specialty nursing				

188	4	Administrative Service Management				x
189	4	Agricultural Economics				
190	4	Animal Production and Technology				x
191	4	Banking and Insurance				
192	4	Business Administration				
193	4	Business Management				
194	4	Cooperative				
195	4	Cooperative Accounting				
196	4	Cooperatives Studies				
197	4	Dry Land Agriculture				
198	4	Entrepreneurship and Business Management				
199	4	Fisheries and Aquatic Sciences				
200	4	Fisheries, Wetland and Wild Life Management				
201	4	Food Science and Post- Harvest Technology				
202	4	Forest Management and Utilization				
203	4	Forestry				
204	4	General Forestry				
205	4	Horticulture				
206	4	Irrigation and Water Resource Management				
207	4	Land Administration and Surveying				
208	4	Land Resource Management and Protection				
209	4	Mid-Carrier and Agricultural Extension				
210	4	Natural Resource Economics & Policy				
211	4	Natural Resource Economics and Management				
212	4	Natural Resource Management				
213	4	Plant Science				x
214	4	Range Ecology and Bio-Diversity				
215	4	Range Management				
216	4	Rural Development and Agricultural Extension				
217	4	Soil and Water Resource Management				
218	4	Soil Resources and Watershed Management				
219	4	Sugarcane Agronomy				
220	4	Urban Environmental Management				
221	4	Urban Forestry and Greening				
222	4	Veterinary Laboratory Technology			x	
223	4	Veterinary Medicine			x	
224	4	Veterinary Pharmacy				
225	4	Veterinary Science				
226	4	Wildlife and Ecotourism				
227	4	Wildlife and Ecotourism Management				
228	4	Wildlife and Protected Area Management				
229	4	Wildlife Science & Ecotourism Management				
230	5	Accounting				x
231	5	Accounting and Finance			x	x
232	5	Amharic Language and Literature				
233	5	Anthropology				
234	5	Arabic Language and Communication			x	
235	5	Banking and Finance				

236	5	Business Administration and Information Systems			x	
237	5	Chinese Language			x	
238	5	Chinese Language and Literature				
239	5	Civics and Ethical Studies				
240	5	Communication and Media Study				
241	5	Cooperative Accounting & Auditing				
242	5	Cooperative Business Management				
243	5	Development Economics				
244	5	Development Studies				
245	5	Disaster Risk Management and Sustainable				
246	5	Economics			x	x
247	5	Finance & development Economics				
248	5	Governance and Developmental Studies				
249	5	History			x	
250	5	Hotel Management				
251	5	Land Administration				
252	5	Land and Real Property Valuation				
253	5	Land Resource Management				
254	5	Logistics and Supplies Management			x	
255	5	Logistics and Supply chain Management				
256	5	Management			x	x
257	5	Marketing				
258	5	Marketing Management			x	x
259	5	Modern European Languages			x	
260	5	Philosophy			x	
261	5	Population Studies				
262	5	Public Administration				
263	5	Public Administration & Development				
264	5	Public Administration and Development			x	
265	5	Public Financial Management				
266	5	Real Property valuation				
267	5	Tourism and Hospitality Managment				
268	5	Tourism and Hotel Management				
269	5	Tourism Management				x
270	5	Urban Land Administration				
271	5	Urban Transport Management				
272	6	Adult Education and Community Development				
273	6	Afan Oromo				
274	6	Afan Oromo and Literature				
275	6	Afan Oromo and Literature and Communication			x	
276	6	Afan Oromo Teaching				
277	6	African Studies			x	
278	6	Amharic Education				
279	6	Animal Science and Feed Technology				
280	6	Animals production and extension				
281	6	Archeology and Heritage Management			x	
282	6	Bertegna				
283	6	Biology Education				

284	6	Borna (Shinashegna)				
285	6	Business Education				
286	6	Chemistry Education				
287	6	Cinema and Theatre Arts				
288	6	Civics and Ethical Education				
289	6	Climate and hydrology				
290	6	Communication Engineering				
291	6	Comprehensive Nursing				
292	6	Control Engineering				
293	6	Criminology & Criminal Justice				
294	6	Diplomacy and International Relations				
295	6	Early Child Care				
296	6	Early Childhood Care and Education				
297	6	Eco- tourism and Cultural Heritage Management				
298	6	Economics Education				
299	6	EDLM				
300	6	Educational Leadership				
301	6	Educational Leadership and Management				
302	6	Educational Planning and Management			x	
303	6	Educational Technology and management				
304	6	English				x
305	6	English Education				
306	6	English Language				
307	6	English Language and Literature			x	
308	6	English Language and Literature (BEd)				
309	6	Ethiopian Language - Amharic Education				
310	6	Ethiopian Languages and Literature				
311	6	Ethiopian Languages and Literature - Amharic			x	
312	6	Ethiopian Sign Languages and Deaf Culture			x	
313	6	Family Health(Post basics)				
314	6	Film & Theatrical Art				x
315	6	Film and Television Production				
316	6	Fine Art				
317	6	Fine arts and Oromo Folklore				
318	6	Folklora (Cultural Studies)				
319	6	Folklore				
320	6	French Language and Literature				
321	6	French Language and Professional skills			x	
322	6	Gadaa & Oromo History Studies				
323	6	Gafigna Language and Literature				
324	6	Gamogna Language and Literature				
325	6	Gedeuffa Language and Literature				
326	6	Geez Language and Litrature				
327	6	Gender and Development Studies				
328	6	Geography				
329	6	Geography and Environmental Studies			x	
330	6	Geography Education				
331	6	Gumzegna				

332	6	Hadiyya Language and Literature				
333	6	Heritage Conservation and Management				
334	6	History and Heritage Management				
335	6	History Education				
336	6	Industrial design			x	
337	6	Information Technology Education				
338	6	Journalism and Communication				x
339	6	Journalism and Communication (Broadcast Journalism)			x	
340	6	Journalism and Communication (Print and Web			x	
341	6	Kembata Language and Literature				
342	6	Law			x	x
343	6	Linguistics			x	
344	6	Management and Information Systems				
345	6	Management Information System				
346	6	Mathematics Education				
347	6	Media studies				
348	6	Middle east studies(CAFOS)			x	
349	6	Music			x	
350	6	Oromo Folklore and literature				
351	6	Painting			x	
352	6	Peace and Development Studies				
353	6	Pedagogical Science				
354	6	Physics Education				
355	6	Political Science				
356	6	Political Science (Comparative Politics)			x	
357	6	Political Science and International Relations(PSIR)			x	
358	6	Power Engineering				
359	6	Preschool Education				
360	6	Printmaking			x	
361	6	Psychology			x	x
362	6	Public Relations and Advertisement			x	
363	6	Radiological Technology				
364	6	School and Counseling Psychology				
365	6	School Psychology				
366	6	Sidama Language and Literature				
367	6	Sidama Language and Literature (BEd)				
368	6	Siltie Language and Literature				
369	6	Social Anthropology			x	
370	6	Social Science				
371	6	Social Work			x	
372	6	Sociology				x
373	6	Sociology & Social Anthropology				
374	6	Sociology & Social Work				
375	6	Soil science				
376	6	Somali Language and Literature				
377	6	Special Needs and Inclusive Education			x	
378	6	Speech-Language therapy			x	
379	6	Sport Coaching				

380	6	Sport Management				
381	6	String				
382	6	Teacher Education and Curriculum Study				
383	6	Teaching Various Subject				
384	6	Textile Chemical Process engineering				
385	6	Theater				
386	6	Theatirical Arts			x	
387	6	Tigrigna				x
388	6	Tigrigna Languages and Literature				
389	6	Tigrigna Languages and Literature and folklore			x	
390	6	Visual Art				
391	6	Wolaita Language and Literature				
		Total num of Program	13	14	72	38

NB:
Band 1 - Engineering and Technology fields
Band 2: Natural Science fields
Band 3: Health Science fields
Band 4: Agriclture fields
Band 5: Business and Economics fields
Band 6: Social sciences and humanities

		Total # of UG
Band	1	83
	2	40
	3	52
	4	54
	5	42
	6	120
	Total	391

Ambo	Arba Minch	Arsi	Assosa	Axum	Bahir Dar	Bonga	Bulehora	Debark	Debere Berhan	Debre Markos
x										
					x					
							x			
x	x				x					
	x				x		x			
				x						x
				x			x			
x										
					x		x		x	
x	x		x	x	x	x	x		x	x
				x	x					
x	x		x	x	x	x	x	X	x	x
	x						x			
x			x	x			x		x	x
x			x	x		x	x		x	x
				x						
				x						
				x	x					
				x						
	x						x			
										x
							x			
				x	x					
					x		x		x	
x							x			
		x								
	x									
				x	x		x			

				x	x					
x	x			x			x			x
x				x	x		x		x	
							x			
			x				x		x	
x				x	x		x			
x	x		x	x	x		x	X	x	x
			x	x			x			
					x					
x	x		x	x	x	x	x		x	x
	x									
				x						
				x						
				x			x			
				x			x			
	x									
										x
	x				x		x		x	x
			x				x			
					x					
				x	x		x			
x										
							x			
	x			x	x					
	x			x			x			
x										
	x									

x	x		x	x	x	x	x	X	x	x
	x			x			x		x	x
	x									
x	X		x	x	x	x	x	X	x	x
x										
		x								
							x			
							x			
	x									
	x		x	x	x		x		x	x
							x			
										x
	x				x		x			
x	x		x	x	x	x	x	X	x	x
							x			
	x									
		x								
x	x		x	x	x	x	x	X	x	x
	x									
x	x		x	x	x	x	x		x	x
					x					
x	x	x	x	x	x		x	X	x	x
x	x	x					x			x
							x			x
	x	x		x	x		x		x	x
	x						x			
	x		x							
x		x	x			x		X	x	x
		x								
							x			

					x					
	x						x			x
	x						x			x
x	x	x		x	x				x	x
							x			
x	x	x		x	x		x		x	x
x	x	X	x	x	x		x		x	x
		x		x					x	
x	x		x	x			x		x	x
		x								
							x			
					x					
				x					x	x
x	x	x		x	x		x		x	x
							x			
x										
x										
X										
x										
x					x					
				x			x			
	x			x						x
x		x	x				x		x	
				x					x	

x	x	x	x	x	x	x	x	X	x	x
				x	x					
				x						
					x					
	x									
	x						x			
x	x	x				x				
										x
x	x	x		x	x		x	X	x	x
					x		x			x
					x					
x	x	x	x		x	x	x	X	x	x
x	x	x	x	x	x	x	x	X	x	x
							x			
x	x	x			x		x			x
		x		x		x	x			
				x						
x										x
					x		x			
x		x			x					x
					x					
							x			
x	x	x	x	x	x	x	x	X	x	x
	x			x						
				x						
				x			x			

x	x						x			
x	x		x	x	x		x	X	x	
	x									
x	x						x			
x							x			
					x				x	
x					x					
x	x	x	x	x	x	x	x	X	x	x
	x									
x					x		x			
		x			x					
	x			x	x					
					x					
									x	
x	x	x		x	x		x		x	
x	x	x	x	x	x	x	x	X	x	x
x	x	x		x	x		x	X	x	
				x	x		x			
x						x	x			
										x
						x	x	X		
x	x	x	x	x	x		x		x	
x										
x	x				x		x		x	
		x								
x					x		x			
				x						
				x						
					x					

				x						
	x			x					x	
					x					
					x					
		x								x
				x						
	x				x					
		x								
x				x			x		x	x
				x						
		x								
		x								
x					x		x			
		x				x			x	
x	x		x	x	x		x	X		x
					x					
					x					
										x
					x					
					x					
					x					
							x			
	x									
	x									
				x						
		x								
	x		x	x	x	x	x	X	x	x
					x					
				x						

	x			x		x	x	X	x	x
					x					
					x					
x			x	x	x		x		x	x
x	x	x	x	x	x	x	x	X	x	x
x										
		x								
					x					
							x			
							x			
										x
					x					
					x					
x				x	x		x			x
x	x	x	x	x	x	x	x	X	x	x
	x									
					x					
					x		x			
		x								
x					x					
x		x	x		x	x			x	x
	x									
							x			
x	x			x	x	x	x		x	x

					x					
					x					
				x			x			x
				x						
							x			
70	75	42	35	84	95	27	103	23	54	60

PG2	PG 3
126	81
153	84
72	28
109	61
77	21
204	60
741	335

Debre Tabor	Dembi Dolo	Dilla	Dire Dawa	Gambella	Gondar	Haramaya	Hawassa	Injibara	Jigjiga
						x			
							X		
							X		
	x	x	X		X		X		
		x							
					X		X		
							X		
x			x		X	x	X		
x	x	x	X	X	X	x	X		X
			X		X				
x	x	x		X	X	x	X	x	X
		x	X		X		X		X
x		x				x	X		X
						x	X		
							X		
							X		
			X						
x							X		
		x							
			X	X					
						x	X		
						x			
							X		
			X						

						x			
x		x			X	x	X		X
			X						
					X				
							X	x	
							X		
					X	x			
					X	x	X		
x	x		X		X	x	X		X
				X		x			
x	x	x	X	X	X	x	X		X
									X
						x			X
			X						X
			X				X		
							X		
		x				x	X		X
						x	X		
								x	
								x	
								x	
								x	
							X		

x		x	X	X	X	x	X	x	X
					X	x	X		
				x					
x		x	X	X	X	x	X	x	X
					X				
						x	x		
									x
						x			
		x	X		X		X		X
						x	X		
							X		
							X		
x		x	X	X	X	x	X	x	X
x									X
x		x	X	X	X	x	X	x	X
		x	X		X	x	X	x	X
							X		
x			X	X	X	x	X	x	X
				X		x	X		
		x				x	X		
							X		
						x			
x		x	X		X		X	x	
		x					X		X
		x							
				X					
x						x		x	
								x	
					X				

					X	x	X		
					X	x	X		
					X	x			
			X		X		X		
						x			
x			X		X	x	X		X
x		x	X		X	x	X	x	X
						x			
x		x	X		X	x	X	x	X
					X				
							X		
					X	x			
					X	x	X		
x		x			X	x	X		
					X				
					X				
					X	x			
						x			
					X	x			
						x			
x					X	x			
						x			
					X	x			
					X				
					X				
					X				
					X				
x					X	x	X		
			X			x			
		x			X	x	X		X
							X		
					X		X		

x		X		X	X	x		x	
		X							
							X		
						x			
									X
						x			
							X		
x								x	
					X		X		
x		X			X		X	x	
				x					
		X					X		
						x			
							X		
x		X		X	X	x	X	x	X
x		X		X	X	x	X	x	
						x			
				X	X	x	X		X
				x			X		
							X		
						x			
			X			x	X		X
					X				
x									
				X					
							X		
x		X	X	X	X	x	X	x	X
x		X	X						
							X		
									X
			X						

							X		
x	x	X	X		X			x	
						x			
				X		x			
						x			
				X					
x		X	X	X	X	x	X	x	X
							X		
		X							
					X		X	x	
		x							
			X						
				X			X		
			X	x			x		
x			X	X		x	X	x	X
			X	X	X		X	x	
					X				
		X							
			X	x	X	x			
x						x			
					X		X		
		x							
					X	x	X		
		X	X			x			
					X				
							X		

					X				
							X		
							X		
					X				
x					X			x	X
							X		
						x			
			X	x	X		X	x	X
						x			
x		X	X	X	X	x	X	x	X
		X					X		
					X				
								x	X
								x	
					X				
							X		
					X				
		X							
					X				
				X	X	x			
x		X	X		X	x	X	x	X
							X		

x			X	X		x		x	X
			X		X	x	X		X
x		X	X	X	X	x	X	x	X
							X		
					X				
							X		
			X						X
x		X	X	X	X	x	X		X
							X		
							X		
		X							
					X				X
x					X	x	X		X
			X	X					
			X						X
x		X			X	x	X		X

x									
					X				
43	6	47	48	36	84	84	102	36	47

Jimma	Jinka	Kebri Dehar	Kotobe Metro	Madda Walabu	Mekdela Amba	Mekele	Mettu	Mizan-Tepi	Oda Bultum
			X			X			
x						x			
x									
						x			
x						X	X		
x				x		X	X	x	x
						X			
x	x		X	x	X	X	X		x
								x	
				x		X	X		
x				x		X	X		x
x				x		x		x	
x				x					
				x					
						X			
						X			
			X						
									x
									x
						X			

x									
x									x
								x	
						X			
x				x					
				x		X			
x				x	X	x	X	x	
						X			x
								x	
						X			
								x	
x									
x						X	X		x
								x	
								x	
								x	
						X			
x						X			
				x					x
								x	
				x					
			x			X			
			X						
						X			
				x		X			
x									
						x			
						x			
						x			
		x							

x	x		X	x	X		X		x
		x							
x	x		X	x	X	x	X		x
x								x	
						x			
				x			X		
							X		
			X	x					x
x									
								x	
					X	x			
									x
		x				x			
x	x		X	x	X		X		x
								x	
		x						x	
			X						
x	x		X	x	X		X		x
x	x		X	x			X		
x								x	
x	x			x	X	x	X		x
		x							
x	X						X		
x						X			
		x							
						X			
x			X			X			
				x		x			
	X								
				x					
x	X				X		X		x
			X						
						x			
						X			
x						X			

						X			
			X						
						X			
						X			
			X						
			X				X		
			X						
x									
				x		X			
			X						
x						x			
x			X	x		X	X		
			X			X		x	
x				x		X	X		
								x	
			X						
			X			X			
x			X	x		X	X		
x						X			
						X			
						x			
						x			
						x			
						x			
						X			
			X						
							X		
x				x		x			
							X	x	
						X			
			X						

x	X			x	X	X	X	x	x
						x			
			X						
								x	
			X						
						x			
						x			
				x	X		X		x
x	X				X	x	X		x
									x
							X		
		x				x			
		x							
						x			
x	X			x	X		X		x
x	X			x	X		X		x
		x							
x				x	X	x	X		
								x	x
			X						
		x							
x						X			
						x			
x	x			x	X	x	X	x	x
x				x	X	x			
						x			
x									

						x			
x		x	X	x		x	X		x
						x			
x	x		X	x	X		X		x
x								x	
						x		x	
		x				x			
		x							
						x			
x	x		X	x	X	x	X		x
				x	X	x	X		x
						x		x	
						x		x	
		x							
		x							
x									
	x					x			
				x					
			X						
			X						
				x			X		
x				x			X		x
x									
x									
								x	
x						x		x	

x						x		x	
x						x			
								x	
x									
						x			
								x	
		x							
							X		
								x	
			X	x		x		x	
							X		
			X						
x	X		X	x	X	x	X		x
x	x							x	
x			X			x			
x									
						x			
						x			
		x							
x	x		X	x	X	x	X		x
						x		x	

		x				x			
x	x		X	x	X	x			x
x						x		x	
								x	
				x		x			
								x	
x	x					x	X		x
							X	x	
x						x		x	
x									
x						x			
x							X		x
						x			
x						x		x	
								x	
			X						
x	X			x		x	X		
						x			
			X			x			
			X						
x	x								
x			X			x			
x				x		x	X		
								x	
						x			
x			X				X		

								x	
			X						
						x			
x									
						x			
x						x			
78	25	18	46	49	23	111	47	45	35

Raya	Salale	Samara	Wachemo	Welkite	Werabe	Wolayta Sodo	Woldia	Wollega
								x
				x				x
			x			x	x	
x								
			x	x	x			
		X	x				x	x
		X	x	x		x	x	x
	x	X	x	x	x	x	x	x
						x		
		X	x	x			x	x
x		X	x	x	x	x	x	x
						x		
						x		
						x		
						x		
			x					
				x				
				x				
			x					x
								x
			x					

						x	x	
			x	x		x		x
			x		x	x		
		X	x	x	x	x	x	x
								x
x								
x		X	x		x		x	x
			x	x				
								x
				x				
								x
		X			x		x	
				x		x		
				x		x		
						x		
				x		x		
				x		x		
								x

x	x	X	x	x	x	x	x	x
				x		x	x	
x	x	X	x	x	x	x	x	x
								x
						x		
		X						
				x				
			x			x		x
								x
	x		x		x	x	x	x
								x
					x			
x	x	X	x		x	x	x	x
			x					
x	x	X	x		x	x	x	x
	x		x		x	x	x	x
			x					
x	x	X	x	x	x	x	x	x
		X		x		x		x
			x					
				x				
			x		x	x		
						x		
						x		
x	x	X	x		x			x
				x				

	x					x		x
			x	x	x		x	
	x		x			x		x
	x	X	x			x	x	x
						x		
	x	X	x		x	x	x	x
						x		
						x		
						x		
			x					
			x			x		x
						x		
						x		
						x	x	
		X				x	x	
						x		
						x		
						x		
						x		
		X			x	x	x	
	x		x					x
			x					

x	x			x	x	x	x	x
				x			x	
								x
				x		x		
								x
								x
			x					
								x
x	x		x	x	x	x		x
	x							
							x	x
	x	X	x		x	x		x
x	x	X	x	x	x	x	x	x
	x	X			x	x	x	x
							x	
								x
		X	l			x	x	x
								x
x	x	X	x	x	x	x	x	x
	x	X			x		x	x
		X				x		x
		X			x			
								x

x	x		x	x		x	x	x
				x				
						x		x
						x		x
				x				
x	x	X	x	x	x	x	x	x
								x
		X				x		
								x
x	x	X	x		x	x	x	x
						x		
	x	X	x	x	x	x		x
			;					
			x					x
			x					
						x		
								x
			x					
							x	x
	x							x
						x		

		X						
								x
		X						
		X						
						x		
						x	x	
						x		
		X		x		x		x
			x			x		x
x	x	X	x	x	x	x	x	
			x					
							x	
								x
						x		
x	x	X	x	x	x	x	x	x

			x					
x	x		x	x	x	x	x	x
							x	
					x		x	x
			x					
x	x	X	x	x	x	x		x
				x				
							x	
								x
					x		x	x
		X						
			x		x	x		x
							x	
					x			
	x				x	x		
								x
	x	X	x	x	x	x	x	x
				x				
							x	x
								x

								x
				x			x	
						x		
21	33	41	58	45	41	83	50	80

Wollo	No of universities offering this Program
	3
	1
	1
	1
	3
x	17
	2
	5
	2
	4
	1
	8
	1
	1
x	19
x	35
	5
x	38
	4
	1
x	22
	27
x	9
x	6
	1
x	4
	1
x	6
	3
	6
	1
	1
	2
	1
x	4
	4
x	4
	7
	1
	4
x	6
	1
x	2

	6
	17
x	2
	7
	1
	2
	1
	1
	7
x	14
x	32
	8
x	3
	1
	2
	1
	2
x	33
	1
	1
	2
	2
	2
	3
	2
	1
	1
x	14
	7
	1
	1
	1
x	7
	5
	1
	1
	3
	12
	1
	6
	4
	4
	2
	5
	5
	2
	2
	2

x	37
x	13
	2
x	39
	2
	4
	2
	4
	1
	1
	9
	1
	4
	1
	1
	1
x	24
	4
	3
	1
	5
	3
x	37
	5
	3
	1
	1
x	37
	1
x	30
	5
x	37
	1
x	16
x	6
	2
	4
	2
x	21
	8
	5
	3
x	22
	3
	1
	1
	3
	2

	1
	1
	1
x	6
x	7
	1
	1
x	8
	1
	1
x	17
	6
	2
x	22
x	31
x	9
x	29
	2
	2
x	2
	1
x	1
	2
x	5
	9
x	24
	4
	3
	5
x	3
x	6
	5
	1
x	7
x	3
x	5
	1
	1
	2
	2
x	9
	1
x	4
	11
x	16
	1
x	7
	1

	1
x	33
	6
	1
	3
	2
	2
	1
	2
	2
	0
	1
	2
	5
	1
x	12
	3
	27
	2
	8
	1
x	5
	2
	1
x	31
x	35
	2
	1
	22
	1
	9
	1
	1
	2
x	5
x	15
	1
	6
	1
	1
	1
	1
	2
x	40
x	15
	6
x	5
	5

	4
	2
	1
x	29
	2
x	8
x	7
	3
	1
	3
x	39
	1
x	8
x	7
	8
	1
	4
	1
	5
	11
x	37
	1
x	28
	2
	6
	1
	3
	2
	10
	1
	1
	2
x	9
	13
	3
	1
	12
	1
x	13
	1
	1
	1
	1
	1
	1
	3
	1
	5

	1
	4
	5
	1
	6
	2
	3
	3
	2
	1
	1
	2
x	13
	1
	2
	2
	1
	1
x	19
	1
	8
	0
	1
x	35
	7
	2
	6
	4
	1
	3
	2
	1
	1
	1
	1
	1
	1
	1
	1
	1
	1
	1
x	3
	3
	2
x	36
	4
	1

	1
	2
	28
	4
	1
	3
x	19
	1
	1
	2
x	36
	2
	2
	1
	5
	1
	1
x	7
	4
	1
x	2
	2
	6
	2
	1
x	12
	1
	1
	1
x	31
	3
	2
	1
	2
	1
	1
	1
x	10
	1
x	10
x	26
	4
	1
	2
	2
x	21
	1
	1

	1
	1
	1
	1
	1
x	3
	8
	1
	2
	1
	3
	1
89	

		List of Programs in Second Degree			
S.No	Band	List of Programs	AASTU	ASTU	AAU
1	1	Advanced Architectural Design		x	x
2	1	Archetetical Engineering			x
3	1	Arteficial Engineering			x
4	1	Automotive Engineering			
5	1	Biomedical Engineering (Bio- Rehabilitatio			x
6	1	Biopolymer Science and Technology			
7	1	Ceramics Engineering		x	
8	1	Chemical Engineering (Process Engineering)		x	
9	1	Climate change and Development (Water Technology Institute)			
10	1	Communication Engineering			x
11	1	Communication engineering & Networking			
12	1	Computer Engineering			x
13	1	Computer Networking			
14	1	Computer networking and security			
15	1	Computer Science and Engineering			
16	1	Construction Engineering and Management			
17	1	Construction Law and Dispute Resolution			
18	1	Construction Technology and Management			x
19	1	Control and Instrumentation Engineering			
20	1	Control Systems engineering			x
21	1	Dam Engineering			
22	1	Design of Mechanical Systems			
23	1	Electric Power Systems Engineering			
24	1	Electrical Power Engineering			x
25	1	Electromechanical Engineering			
26	1	Electronic Communication Engineering			
27	1	Electronics Engineering			
28	1	Energy and Climate Change			
29	1	Engineering Geology			
30	1	Engineering Geology			
31	1	Engineering Hydrology			
32	1	Environmental Architecture			
33	1	Environmental Engineering			x
34	1	Environmental Science& Technology			
35	1	Fashion Technology			
36	1	Fiber Science and Technology			
37	1	Food Engineering			x
38	1	Food Processing Engineering			
39	1	Food Science and Technology			
40	1	Food Technology			
41	1	Geodesy Geometrics			x
42	1	Geomatics Engineering			
43	1	Geotechnical Engineering			x
44	1	GIS and Remote Sensing			
45	1	-GIS, Remote Sensing and Digital Cartography			x
46	1	Hydraulic and Water Resource Engineering			x

47	1	Hydraulic Engineering			x
48	1	Hydrogeology			x
49	1	Hydrology			
50	1	Hydrology and Water Resources Management			
51	1	Industrial control Engineering			x
52	1	Industrial Engineering			x
53	1	Industrial Engineering and Logstics Managment			
54	1	Information Science (Electronic and Digital Resource Management Stream)			
55	1	Information system			x
56	1	Information Technology			
57	1	Irrigation and Drainage Eng.			
58	1	Irrigation and Drainage Engineering (Sugarcane Irrigation)	x		
59	1	Irrigation Engineering	x		
60	1	Land scape Architecture			x
62	1	M.A in Urban Planning and Management	x		
63	1	MA in Teaching Afaan Oromo	x		
64	1	Manufacturing Engineering	x		x
66	1	Manufacturing Systems Engineering			
67	1	Master of Science Degree in Architecture			
68	1	Master of Science Degree in Chemical Engineering (Bio-energy Engineering)			
69	1	Master of Science Degree in Chemical Engineering (Chemical Process and Product Design)			
70	1	Master of Science Degree in Chemical Engineering (Food Process Engineering)			
71	1	Master of Science Degree in Chemical Engineering (Smart Materials Engineering)			
72	1	Master of Science Degree in Civil Engineering (Construction Technology and Management)			
73	1	Master of Science Degree in Civil Engineering (Geotechnical Engineering)			
74	1	Master of Science Degree in Civil Engineering (Hydraulic Engineering)			
75	1	Master of Science Degree in Civil Engineering (Road and Transport Engineering)			
76	1	Master of Science Degree in Civil Engineering (Structural Engineering)			
77	1	Master of Science Degree in Civil Engineering (Water Supply and Sanitary Engineering)			
78	1	Master of Science Degree in Computer Networking and Communication			
79	1	Master of Science Degree in Electrical and Computer Engineering (Communication Engineer			
80	1	Master of Science Degree in Electrical and Computer Engineering (Computer Engineering)			
81	1	Master of Science Degree in Electrical and Computer Engineering (Power Engineering)			
82	1	Master of Science Degree in Electromechanical Engineering (Mechatronics Engineering)			
83	1	Master of Science Degree in Environmental Engineering			
84	1	Master of Science Degree in Mechanical Engineering (Production engineering & manageme			
85	1	Master of Science Degree in Mechanical Engineering (Automotive Engineering)			
86	1	Master of Science Degree in Mechanical Engineering (Manufacturing Engineering)			
87	1	Master of Science Degree in Mechanical Engineering (Mechanical Design)			
88	1	Master of Science Degree in Mechanical Engineering (Thermal Engineering)			
89	1	Material Engineering			x
90	1	Material science and Engineering			
91	1	Mechanical Design			
92	1	Mechanical Design and Applied Mechanics			x
93	1	Microelectronics engineering			x
94	1	Motor vehicle engineering			
95	1	Polymer Engineering			
96	1	Polymer Science and Engineering			
97	1	Power Electronics and Drives			
98	1	Power engineering			x
99	1	Power System and Energy Conservation			

100	1	Power Systems Engineering			
101	1	Process Engineering			x
102	1	Product Design and Development			
103	1	Production Engineering and Management			
104	1	Remote Sensing and Geo-informatics			x
105	1	Road and Transport Engineering			x
106	1	Software Engineering			
107	1	Soil and Water Conservation Eng.			
108	1	Structural Engineering			x
109	1	Sustainable Energy Engineering			
110	1	Sustainable Waer Resource Engineering			
111	1	Technology and Innovation Management			
112	1	Telecominication networks			x
113	1	Telecommunication engineering			x
114	1	Telecommunication information system Engineering			x
115	1	Textile Manufacturing			
116	1	Thermal Engineering			x
117	1	Thermal Systems Engineering			
118	1	Tourism Management (Business Tourism)			
119	1	Transport Engineering			
120	1	Urban Planning and Design			x
121	1	Water Conservation Engineering and Management			
122	1	Water Resources engineering and Management ,			x
123	1	Water Supply & Sanitation Engineering			
124	1	Water Supply and Environmental Engineering			
125	1	Water Supply and Environmental Engineering			x
126	1	Water Supply and Sanitation Engineering			
127	2	Algebra			
128	2	Analysis		x	
129	2	Analytic Chemistry			
130	2	Analytical Chemistry			
131	2	Animal Biotechnology			
132	2	Applied Differential Equations		x	
133	2	Applied Entomology		x	
134	2	Applied Genetics		x	
135	2	Applied Human Nutrition		x	
136	2	Applied Microbiology		x	
137	2	Applied Statistics		x	
138	2	Aquaculture & Fisheries Management			
139	2	Aquatic and Wetland Ecosystem Management			
140	2	Aquatic Sciences, Feshiery and Aquaculture			
141	2	AstroPhysics			
142	2	Athletics Coaching			
143	2	Atmospheric Physics			
144	2	Bio chemical Engineering			x
145	2	Biochemistry			x
146	2	Biodiversity Conservation			
147	2	Biodiversity Conservation and Ecosystem Management			
148	2	Biodiversity Conservation and Management			
149	2	Bio-Energy Science & Technology			

150	2	Biogeography & Biodiversity Management			x
151	2	Bioinstrumentation			
152	2	Biology			
153	2	Biometrics			
154	2	Biostatistics			
155	2	Biotecnology			x
156	2	Botanical Science			
157	2	Chemistry		x	
158	2	Chemistry (Regular): Specialty (Analytical, Inorganic, organic and Physical)		x	x
159	2	Community Nutrition			x
160	2	Computational Mathematics			
161	2	Computational Science			x
162	2	Computer Science			
163	2	Condensed Matter Physics			
164	2	Data Science			
165	2	Ecological and Systematic Zoology			
166	2	Ecological Anthropology			
167	2	Ecological Zoology			
168	2	Ecology and Conservation Biology			
169	2	Entomology (Insect Science)			
170	2	Environment and Climate Change			
171	2	Environmental Change Management			
172	2	Environmental Chemistry			
173	2	Environmental Sciences			x
174	2	Epidemiology			
175	2	Epidemiology and Biostatistics			
176	2	Exploration Geophysics			
177	2	Food Processing and Preservation			
178	2	Food Safety and Quality Management			
179	2	Food Science and Nutrition			x
180	2	Football coaching			
181	2	Genetics			
182	2	Handball coaching			
183	2	Health & fitness			
184	2	Human Nutrition			
185	2	Human Nutrition			
186	2	Industrial Chemistry			
187	2	Industrial Chemistry (Food and Sugar Technology)			
188	2	Industrial Chemistry (Leather and textile Technology)			
189	2	Industrila Statistics			
190	2	Inorganic Chemistry			
191	2	Inorganic Chemistry			
192	2	Inustrial Chemistry			
193	2	Laeser Physics	x		
194	2	Laser Spectroscopy	x		
195	2	Master of Science Degree in Biology Education			
196	2	Master of Science Degree in Biotechnology			
197	2	Master of Science Degree in Biotechnology (Environmental Biotechnology)			
198	2	Master of Science Degree in Biotechnology (Industrial Biotechnology)			
199	2	Master of Science Degree in Biotechnology (Medical Biotechnology)			

200	2	Master of Science Degree in Environmental Science			
201	2	Master of Science Degree in Food Science and Nutrition			
202	2	Master of Science Degree in Geology (Economic Geology)			
203	2	Master of Science Degree in Geology (Engineering Geology)			
204	2	Master of Science Degree in Geology (Environmental Geology and Geohazards)			
205	2	Master of Science Degree in Geology (Geochemistry)			
206	2	Master of Science Degree in Geology (Hydrogeology)			
207	2	Master of Science Degree in Geology (Petrology)			
208	2	Master of Science Degree in Geology (Sedimentary Geology)			
209	2	Master of Science Degree in Geology (Structural Geology and Tectonics)			
210	2	Master of Science Degree in Industrial Chemistry			
211	2	Master of Science in Applied Microbiology			
212	2	Master of Science in Physics			
213	2	Master of Science in Sport Science			
214	2	Material Physics			
215	2	Material Science			x
216	2	Mathematical & Statistical Modeling (Math Stream)			
217	2	Mathematical & Statistical Modeling (STAT Stream)			
218	2	Mathematical Modeling			
219	2	Mathematical modeling			
220	2	Mathematical Modeling			
221	2	Mathematics			x
222	2	Mathematics (Algebra Stream)			
223	2	Mathematics (Analysis Stream)			
224	2	Mathematics (Applied Mathematics Stream)			
225	2	Mathematics (Diferential)			
226	2	Mathematics (Differential Equation Stream)			
227	2	Mathematics (Education)			
228	2	Mathematics (Modeling Stream)			
229	2	Mathematics (Numerical Analysis Stream)			
230	2	Mathematics (Regular): Specialty (Analysis, Numerical Analysis and Differential Equations)			
231	2	Mathematics (Regular): Specialty (Analysis, Numerical Analysis and Differential Equations)			
232	2	Medical Biochemistry			
233	2	Medical Physics			
234	2	Medicinal Chemistry			
235	2	Metallurgical Engineering			
236	2	Meteorology			
237	2	Microbial Cellular & Molecular Biology			x
238	2	Microbiology			x
239	2	Microbiology and Microbial Bioltechnology			
240	2	Microbiology and Microbial Biotechnology			
241	2	Mining Geology			
242	2	Molecular Genetics and Biotechnology			
243	2	MSc in Geophysics			
244	2	MSc in Hydrogeology			
245	2	MSc in Medical Microbiology			
246	2	MSc in Microbiology			
247	2	MSc in Petrology			
248	2	Natural Product Chemistry			
249	2	Nuclear Physics			
250	2	Numerical Analysis			

251	2	Organic Chemistry			
252	2	Parasitology (Biomedical Science)			
253	2	Physical Chemistry			
254	2	Physical Education			
255	2	Physics			x
256	2	Physics (Applied Electronics)			
257	2	Physics (Condenssed Matter Physics)			
258	2	Physics (Education)			
259	2	Physics (Quantum Optics and Information)-Regular			
260	2	Physics (Statistical Physis)			
261	2	Physics(Laser Physics)			
262	2	Polymer Chemistry			
263	2	Polymer Physics			
264	2	Quantum Field Theory			
265	2	Quantum Mechanics & Information			
266	2	Quantum Optics			
267	2	Range Ecology and Biodiversity			
268	2	Real Analysis			
269	2	Solid State Physics			
270	2	Space Physics			
271	2	Sports Coaching (Athletics Specialization)			
272	2	Sports Coaching (Football Specialization)			
273	2	Sports science management			
274	2	Statistics			x
275	2	Synthetic Organic Chemistry			
276	2	Textile Chemistry			
277	2	Vollyball Coaching			
278	2	Zoological Science			x
279	2	Zoology			
280	3	ADULT HEALTH NURSING		x	
281	3	Anatomy			x
282	3	Anesthesia			x
283	3	Biomedical Imaging			x
284	3	Biomedical Science			
285	3	Clinical Anatomy			
286	3	Clinical Chemistry			
287	3	Clinical Laboratory Science (specialty in Clinical Chemistry)			
288	3	Clinical Laboratory Science (specialty in Hematology & Immunohematology)			
289	3	Clinical Laboratory Science (specialty in Laboratory Management)			
290	3	CLINICAL MIDWIFERY			
291	3	Critical Care Nursing			
292	3	Crop Protection			
293	3	Dietetics			x
294	3	Ecotoxicology & Environmental Health			
295	3	Environmental Health			
296	3	Environmental health Science			
297	3	Exercise Physiology			
298	3	Health Care Social Work Concentration			x
299	3	Health Economics			
300	3	Health Monitoring & Evaluation			

301	3	Health Professional Education			
302	3	Health Promotion			
303	3	Health Promotion and Health Behavior			
304	3	Health service Management			
305	3	Health Service Management (HSM)			
306	3	Health Systems and project Management			
307	3	Healthy Psychology			
308	3	HOSPITAL AND HEALTH CARE ADMINSTRATION			
309	3	Integrated Clinical and Community Mental Health			
310	3	MA in Counseling Psychology	x		
311	3	Master of General Public Health			
312	3	Masters of Public Health			
313	3	Masters of Public Health in Epidemiology			
314	3	Masters of Public Health in Nutrition			
315	3	Maternity and Reproductive Health			
316	3	Maternity and Reproductive Health Nursing			
317	3	Maternity Health Nursing			
318	3	Medical Entomology and Vector Control			
319	3	Medical Parasitology			
320	3	MPH in epidemiology			
321	3	MPH in General Public Health			
322	3	MPH in Health Education			
323	3	MPH in Health Informatics			
324	3	MPH in Health System Management			
325	3	MPH in Nutrition			
326	3	MPH in Occupational Health & Safety			
327	3	MPH in reproductive health			
328	3	MPH in Reproductive Health			
329	3	MSc in Clinical Anesthesia			
330	3	MSc in Clinical Lab Sciences			
331	3	MSc in Clinical Pharmacy			
332	3	MSc in Integrated Emergency Surgery and Obstetric			
333	3	MSc in Maternal & Reproductive Health Nursing			
334	3	MSc in Maternity and Neonatal Health			
335	3	MSc in Maternity Nursing			
336	3	MSc in Medical Radiology Technology			
337	3	MSc in One Health in Tropical and Infectiousness Diseases			
338	3	MSc in Pharmaceutical Analysis and Quality Assurance			
339	3	MSc in Pharmacology			
340	3	MSc in Reproductive Health			
341	3	MSc in Social and Administrative Pharmacy			
342	3	Msc PUBLIC HEALTH IN EPIDEMIOLOGY			
343	3	Pediatric and Child Health Nursing			
344	3	Pharmaceutical Quality Assurance & Regulatory affairs			
345	3	Reproductive Health(RH)			
346	3	Specialty Certificate in general Surgery			
347	3	Specialty Certificate in Obstetric sand Gynecology			
348	3	Sport Medicine			
349	3	Tropical Infectious Diseases			x
350	3	vooleyball Choaching			
351	3	Water and Health			x

352	4	Agribusiness & Value Chain Management,		x	
353	4	Agricultural and Applied Economics		x	
354	4	Agricultural Business and Value Chain Management		x	
355	4	Agricultural Economics			
356	4	Agricultural Economics			
357	4	Agricultural Economics and Rural Development			
358	4	Agricultural Entomology			
359	4	Agricultural Entomology			
360	4	Agricultural Extension			
361	4	Agricultural Extension and Innovation		x	
362	4	Agricultural Information and Communication Management (Regional)		x	
363	4	Agricultural Machinery Engineering			
364	4	Agriculture (Specialization in Soil Science)			
365	4	Agroforestry			
366	4	Agroforestry and Soil Management		x	
367	4	Agro-meteorology and Natural Risk Management		x	
368	4	Agronomy		x	
369	4	Agronomy			
370	4	Animal Breeding			
371	4	Animal Breeding			
372	4	Animal Breeding & Genetics			
373	4	Animal Genetics and Breeding			
374	4	Animal Health and Production			
375	4	Animal Nutrition			
376	4	Animal Nutrition and Feed Processing		x	
377	4	Animal Physiology			x
378	4	Animal Production		x	
379	4	Apiculture		x	
380	4	Climate change & Sustainable Agriculture			
381	4	Climate Smart Agricultural Landscape Assessment			
382	4	Climate Smart Agriculture			
383	4	Climate Smart Agriculture and Biodiversity Conservation (Sub-specialization: Crops; Livesto			
384	4	Dairy Science & Technology			
385	4	Dairy science and technology			
386	4	Developmental Psychology			
387	4	Disaster Risk Managment and Pastoral Development			
388	4	Dry land Forestry			
389	4	Early Childhood Development care and Education			
390	4	Feeds and Animal Nutrition			
391	4	Fisheries and Aquaculture			
392	4	Fishery and Aquaculture			
393	4	Forest management and climate change		x	
394	4	Forest Resource Assessment and Monitoring			
395	4	Horticulture			
396	4	Integrated Dryland develoment Planning			
397	4	Integrated Pest Management			
398	4	*Integrated River Basin Management*			x
399	4	Integrated Watershed Management			
400	4	Irrigation Engineering and Management			

401	4	Irrigation Agronomy			
402	4	M.Sc. in Veterinary clinical Medicine	x		
403	4	MA in Disaster Risk Management and Sustainable Development	x		
404	4	Master of Science Degree in Biotechnology (Agricultural Biotechnology)			
405	4	Master of Science Degree in Weed Science			
406	4	Masters of Science Degree in Horticulture			
407	4	MSc in Animal Production and Pastoral Development			
408	4	MSc in Dryland Agronomy			
409	4	MSc in Rural Development and Agricultural Innovation Communication			
410	4	MSc in Urban Agriculture (Animal production and management)			
411	4	MSc. in Agricultural knowledge management and communication			
412	4	Natural Resource Management (wildlife and ecotourism management)			
413	4	Plant Biotechnology			
414	4	Plant Breeding			
415	4	Plant Pathology			
416	4	Plant Protection			
417	4	Postharvest Management			
418	4	Post-harvest Management (Specialization in Perishable Crops, Durable Crops or Animal Products)			
419	4	Post-Harvest Science and Technology			
420	4	Poultry Science			
421	4	Production Forestry			
422	4	Public and Veterinary Vector Disease Control			
423	4	Public Health in Environmental Health			
424	4	PUBLIC HEALTH IN FIELD EPIDEMIOLOGY			
425	4	PUBLIC HEALTH IN REPRODUCTIVE HEALTH			
426	4	Range Sciences			
427	4	River basin Dynamics & Management			
428	4	Rural Development			
429	4	Rural development and Agricultural Extension			
430	4	Rural Development and Agricultural Extension (Specialization in Agricultural Communication and Innov			
431	4	Rural Development and Agricultural Extension (Specialization in Gender and Rural Development)			
432	4	Rural Development and Agricultural Extension (Specialization in Rural Development and Environment)			
433	4	Rural Development and Agricultural Extension (Specialization in Rural Development).			
434	4	Rural Development and agricultural extension (Streams: Agricultural Communication and In			
435	4	Rural Development Managemant			
436	4	Rural Livelihoods and Development			x
437	4	Seed Science and Technology			
438	4	Soil Conservation and Watershed Management			
439	4	Soil Science			
440	4	Soil and Plant Nutrition			
441	4	Soil Science and Agriculture Chemistry			
442	4	Sugarcane Agronomy			
443	4	Sugarcane Production and Technology			
444	4	Urban Agriculture (Horticulture and urban greening)			
445	4	Urban Forestry and Greening			
446	4	Vet Obstetrics and Gynecology			x
447	4	Vet Pathology			x
448	4	Veterinary Epidemiology and Animal Health Economics			
449	4	Veterinary Epidemiology and Economics			
450	4	Veterinary Epidemology			x
451	4	Veterinary Immunology			

452	4	Veterinary Microbiology			x
453	4	Veterinary Parasitology			x
454	4	Veterinary Public Health			x
455	4	Veterinary Surgery			x
456	4	Water Resources Management			x
457	4	Watershed Management			
458	4	Weed Science			
459	4	Wildlife Ecology and Conservation			
460	4	Wildlife Management			
461	5	Accounting and Auditing			
462	5	Accounting and Finance		x	
463	5	Banking and Finance			
464	5	Banking/Insurance			x
465	5	Business Administration(MBA) in Financial Services			x
466	5	Business and Corporate Law			
467	5	Bussiness Administration		x	
468	5	Commercial and Corporate Law			
469	5	Commercial and Investment Law(Regular)			
470	5	Cooperative Accounting			
471	5	Cooperative Management			
472	5	Cooperatives Development and Leadership			
473	5	Coopertive Economics and Social Enterprise			
474	5	Development Economics			x
475	5	Development Management			
476	5	Development Studies (Disaster Risk Management and Food Securities)			
477	5	Development Studies (Rural Livelihood and Development)			
478	5	Disaster Risk Management			
479	5	Econometrics			x
480	5	Economic Policy Analysis			
481	5	Economics			
482	5	Economics (Economic Policy Analysis)			
483	5	Environmental & Natural Resource Economics			
484	5	Environmental and Land Resource Management			
485	5	Environmental Disaster & Risk Mgt			
486	5	Environmental Disaster Risk Management			
487	5	Environmental Management			
488	5	Environmental Management and Sustainable Development			
489	5	Environmental Resource Mgt			
490	5	Environmental Science and Management			
491	5	Executive Master of Business Administration i			x
492	5	Executive Master of Business Administration in Agribusiness (EMBA)			
493	5	Hospitality Management			
494	5	Human Resource Economics			x
495	5	Human Resource Management			x
496	5	Industrial Economics			
497	5	Infrastructure planning and Management			x
498	5	International Business			x
499	5	International Economics			x
500	5	Land Administration	x		
501	5	Land Administration and Management	x		

502	5	Land Management and Tenure	x		
503	5	Land Resource Analysis and Management			
504	5	Land Resource Management	x		
505	5	Logistic and Supply Chain Management	x		
506	5	M.A in Business Administration			
507	5	M.A in Marketing Management	x		x
508	5	MA in Economics	x		x
509	5	MA in Project Management			
510	5	Management			x
511	5	Marketing Management			x
512	5	Masters of Business Administration			x
513	5	Msc in Accounting and Finance			
514	5	Msc in Development Economics			
515	5	MSc in Economics Policy Analysis			
516	5	MSc. in International Economics			
517	5	Natural Resource and Environmental Economics			
518	5	Natural Resource Economics & Policy			
519	5	Natural Resource Management			
520	5	Project Management and Finance			
521	5	Project Planning and Management			x
522	5	Public administration & project management			
523	5	Public Administration (MPA)			
524	5	Public Management & Policy Development			
525	5	Public Management and Governance			
526	5	Quality Control and Management			
527	5	Real Property Valuation			
528	5	Renewable Energy Utilization and Management			
529	5	Resource & Environmental Economics			x
530	5	Spatial and transport Planning			
531	5	Sustainable Natural Resource Management			
532	5	Transport Planning and Management			
533	5	Urban & Regional Planning			
534	5	Urban and Regional Development Planning			x
535	5	Urban land adminstration			x
536	5	Urban land and Property Valuation			x
537	5	Urban Planning			x
538	6	Adult Education & Community Development			x
539	6	Adult Education and Community Development		x	x
540	6	Afaan Oromoo and Literature Teaching		x	x
541	6	Afan Oromo and Literature		x	
542	6	African Intellectual History & Cultural Studies			x
543	6	Amharic Language and Literature Teaching		x	
544	6	Applied Linguistics		x	
545	6	Applied Linguistics in Ethiopian Languages and Cultural Studies		x	
546	6	Applied linguistics in Teaching Amharic		x	x
547	6	Archaelogy			x
548	6	Archaeology and Heritage Management			
549	6	Broadcast Journalism		x	x
550	6	Business Law			x
551	6	Business & Investment Law			

552	6	Business and Trade law			
553	6	Business Leadership(MBL)			x
554	6	Children, Youth and Family Concentration			x
555	6	Citizenship & State in Africa			x
556	6	Civic and Ethical Education		x	
557	6	Civics and Ethical Study		x	
558	6	Civics and Ethics		x	
559	6	Climate Change & Sustainable Development		x	
560	6	Climate change and Adaption			x
561	6	Climate Change and Development			
562	6	Commercial Law			
563	6	Community & Social Development Concentration			x
564	6	Community Development			
565	6	Conservation of Urban & Architectural Heritage			x
566	6	Constitutional Law			
567	6	Constriction Management			x
568	6	Counseling Psychology			
569	6	Counseling Psychology			
570	6	Criminal Justice			
571	6	Criminology and Criminal Justice			
572	6	Crminal Justice and Human Rights			
573	6	Cultural Heritage Conservation			
574	6	Cultural Heritage Managment			
575	6	Cultural Tourism			
576	6	Curriculum and Instruction			x
577	6	Curriculum and Teacher Professional Development			
578	6	Curriculum Studies			x
579	6	Development Anthropology and Indigenous Knowledge			
580	6	Developmental Law			
581	6	Early Childhood Care and Education			x
582	6	Economic & Mining Law			
583	6	Educational Leadership and Management			
584	6	Educational Psychology			
585	6	Educational Research & Evaluation			
586	6	Educational Supervision & Quality Management			
587	6	English language			
588	6	English Language Teaching			x
589	6	English Litrature			x
590	6	Environmenetal and Sustainable Development			x
591	6	Environment and land law			
592	6	Ethiopian Literature and Folklore			
593	6	Federalism and Governance			x
594	6	Film Production			x
595	6	Fine arts			x
596	6	Folklore			x
597	6	Food Security and Developmental Studies			x
598	6	French			x
599	6	Gadaa and Peace Studies			
600	6	Ge'ez Language and Literature			

601	6	Gender and Development			
602	6	Gender and Family Studies			
603	6	Gender Studies			x
604	6	Geography			
605	6	Geography and Environmental Studies (Socio-economic Development Planning and			Enviro
606	6	Geography and Environmental Studies (Sustainable Natural Resource Management)			
607	6	Geography and Environmental Studies			
608	6	Geography and Environmental studies			
609	6	Geography and Environmental Studies(Natural Resource and Environmental Management)			
610	6	Geography and Politics In the Middle East			x
611	6	Geography Information System			
612	6	Geoinformatics			
613	6	Geo-information Science (GIS)			
614	6	Geomatics For Land Adminstration			
615	6	Global and area Studies, with Special focus on Peace and Security of Africa (Joint Program)			x
616	6	Governance			
617	6	Governance and Development Studies			
618	6	Governance and Development Studies (Development Management Stream/Regular)			
619	6	Governance and Development Studies (Peace and Conflict Studies Stream/Regular)			
620	6	Heritage & Museum Studies			
621	6	Highway Engineering			
622	6	History			
623	6	History, Culture and Identity in the Middle East			x
624	6	History and Cultural Studies			
625	6	History Teaching			
626	6	Housing and Sustainable Development			x
627	6	Human & Economic Development in Africa			x
628	6	Human Resource & Organizational development in Education			
629	6	Human Right			x
630	6	Human Right & Criminal Justice			
631	6	Human Right and Criminal Law(Regular)			
632	6	Human Right and Criminal Law(Summer)			
633	6	Human Right and Justies Studies (LLM)			
634	6	Human Right and Security Studies			
635	6	Human Rights Law			x
636	6	Industrial/Organizational Psychology			
637	6	Information Science (Information and Knowledge Management Stream)			x
638	6	Intercultural Communication and Public Diplomacy			
639	6	International & Comparative Education			x
640	6	International Business and Economic Law			
641	6	International Economic and Business law			
642	6	International relations & Diplomacy			
643	6	Journalism and Communication			x
644	6	Journalism and Mass Communication	x		
645	6	Law	x		
646	6	Linguistic			x
647	6	Linguistics & Communication	x		
648	6	Literature	x		
649	6	Literature in English	x		
650	6	LLM in Criminal Justice and Human Rights	x		

651	6	M.A in Afan Oromo and Literature			
652	6	M.A in Teaching English as Foreign Language	x		
653	6	M.A. in Socio-economic development	x		
654	6	MA in Early Childhood Care and Education	x		
655	6	MA in Educational Leadership	x		
656	6	MA in Educational Planing and Management	x		
657	6	MA in Ethnomusicology	x		
658	6	MA in History and Heritage Management	x		
659	6	MA in Wolaita Language and Literature	x		
660	6	Management of Vocational Education			x
665	6	Master of Art Degree in General Linguistics			
666	6	Master of Art Degree in History			
667	6	Master of Art Degree in Local & Regional Development Planning			
668	6	Master of Public Management (MPM)			
669	6	Masters in Teaching HPE			
670	6	Measurement and Evaluation			
671	6	Media and Communication Studies			x
672	6	MONITERING AND EVALUATION			
673	6	MSc in Applied Human Nutrition			
674	6	Msc in GIS and Land Resource Management			
675	6	MSc in Pastoral Development Studies			
676	6	MSc in Pastoralism			
677	6	MSc in Water, Sanitation and Hygiene			
678	6	MSc. in Physics Education			
679	6	Mulit media Journalism			x
680	6	Multicultural & International Education			
681	6	Museum Studies			x
682	6	Music			x
683	6	Organizational/Industrial Psychology			
684	6	Oromo Folklore			
685	6	Oromo Language and Literature			
686	6	Pale anthropology & Pale environment			x
687	6	Peace and Security Studies			x
688	6	Peace and Conflict Management			
689	6	Peace and Conflict Studies			
690	6	Peace and Development Studies			
691	6	Philology			x
692	6	Philosophy			
693	6	Policy analysis			x
694	6	Political Science			
695	6	Political Science (International Relations and Diplomacy)			x
696	6	Political science and international studies			
697	6	Population & Development Planning			
698	6	Population Studies			x
699	6	Population Studies -Reproductive Studies			x
700	6	Population Studies-Population ,Environment and Development			x
701	6	Post Graduate School Leadership			
702	6	Postgraduate Diploma in School Leadership			
703	6	Primary School Supervision			

704	6	Public International Law			x
705	6	Public Policy			
706	6	Public Relations and Corporate Communication			
707	6	Public Relations and Strategic Communication			x
708	6	Reading and Literacy			
709	6	Real Property Law			
710	6	Regional & Local Development Studies			x
711	6	School Leadership			
712	6	Science and Mathematics Education			x
713	6	Secondary School Supervision			
714	6	Social and Economic development in the Middle East			x
715	6	Social Anthropology (Regular & Special Regular)			x
716	6	Social psychology			
717	6	Social Psychology			
718	6	Social Work			
719	6	Sociocultural and Environmental History			
720	6	Sociocultural Linguistics			
721	6	Sociology			
722	6	Sociology (Family and Gender Stream)			
723	6	Sociology (Health and Well-being)			x
724	6	Sociology (Specialization in Social Policy)			
725	6	Sociology and Social Work			
726	6	Special needs and inclusive education			
727	6	Special Needs and Inclusive Education			
728	6	Special Needs Education			
729	6	Sport Management			
730	6	Teaching Amharic (TeAm)			x
731	6	Teaching Amharic Language			
732	6	Teaching English as a Foreign Language (TEFL)			x
733	6	Teaching in Afaan Oromo Language			x
734	6	Teaching Physical Education			
735	6	Tourism Management (Tourism Destination Development and Management)			
736	6	Turism and Heritage Management			
737	6	Urban Design and Sustainable Development			
738	6	*Urban Development and Livelihoods*			x
739	6	Urban Socioeconomic Development Planning			
740	6	Wildlife Conservation and Ecotourism Management			
741	6	Wildlife Management and Ecotourism			
		Total num of Prog	31	39	155

1	126
2	153
3	72
4	109
5	77
6	204
	741

NB:
Band 1 - Engineering and Technology fields
Band 2: Natural Science fields
Band 3: Health Science fields
Band 4: Agriclture fields
Band 5: Business and Economics fields
Band 6: Social sciences and humanities

Adigrat	Ambo	Arba Minch	Arsi	Assosa	Axum	B/dar	Bonga	Bulehora	Debere Berh
x	x	x			x	x			
						x			
						x			
	x				x			x	
		x			x				x
								x	
		x						x	
	x				x				
								x	
	x					x			
	x	x							
	x								
	x	x			x			x	x
					x			x	
x									
							x	x	
		x		x		x		x	x

				x	x				
								x	
					x				
									x
									x
									x
									x
								x	x
		x							x
									x
									x
ring)									x
						x			x
						x			
nt					x				
						x			
		x							
		x							
			x						
			x						
			x						
			x			x			

			x						
			x						
			x						
			x						
						x			
					x				
					x				
						x		x	x
								x	
		x						x	
						x		x	
								x	
								x	x
						x		x	x
	x							x	
					x				
x									
						x			
						x			

					x				
						x			
	x	x			x	x		x	
x	x				x				x
					x	x		x	
	x					x			
						x			
	x	x			x	x		x	
					x				
	x	x				x		x	
	x					x			
	x								
x	x			x	x		x	x	
								x	
					x			x	
					x	x			
	x					x			
						x		x	
						x			
	x				x			x	
								x	
		x							
	x					x			
					x			x	
					x				
					x				
					x				

		x			x				
								x	
					x				
						x			
		x							
					x				
		x							
		x			x				
		x							
		x							
		x							
		x			x				
		x							
		x							
		x							
		x							
		x							
		x							
					x				
					x				
		x							
		x							
		x							
		x							

		x							
		x							
		x							
		x							
					x	x			
x						x			
			x			x			
						x			
						x			
						x			
						x			
						x			
						x			x
		x			x			x	x
					x			x	
								x	
								x	
	x					x		x	
x					x			x	x
	x	x						x	
	x					x			
								x	
		x							

								x	x
x									
								x	
								x	
	x	x			x		x	x	
								x	
								x	
		x							
		x							
								x	
					x			x	
								x	
						x			
		x							
		x			x			x	
		x				x			
					x	x			
					x				
					x				
		x							
		X							
		x							
		x							
		x							
		x				x			
						x			

		x							
		x			x	x		x	
	x								
								x	
					x				
	x	x		x	x	x		x	
					x			x	
						x		x	
								x	
								x	
x									
						x			
						x			
		x				x			
		x			x	x			x
									x
	x							x	x
					x				
	x				x				
	x								
ock; Soil ar	x								
	x	x							
						x			
x					x	x	x	x	x
	x						x	x	
		x						x	
		x			x				
	x								

	x								
		x							
		x							
		x							
		x							
		x							
		x							
		x							
			x						
			x						
			x						
			x						
			x						
						x			
						x			
						x			
						x			
						x			
						x			
						x			
						x			
ation)						x			
						x			
						x			
						x			
nnovation for Development; Rural Development)					x	x			
						x			
						x			
						x			
					x				
					x				
x	x	x				x		x	
					x				

	x	x				x		x	
x								x	
						x			
	x								
		x				x		x	
						x			
	x								
	x	x				x		x	x
	x	x						x	
x		x			x			x	x
	x	x		x	x	x		x	x
	x							x	
								x	
								x	
	x	x			x	x		x	x
								x	
x					x			x	
								x	
	x								
						x			

						x			
		x						x	
					x				
						x			
		x							
		x			x				
		x							
		x							
			x						
			x						
			x						
			x						
						x			
						x			
						x			
						x			
						x			
		x							
		x				x		x	
		x							
					x				
								x	
		x				x		x	
	x								
	x	x			x				
					x	x		x	x

						x		x	x
					x				
					x				
	x								
	x								
						x			
		x						x	
								x	
					x				
	x				x				
	x					x		x	
	x								
	x	x				x		x	
	x								
		x							
								x	
		x			x	x	x		
							x	x	

								x	
nment)(M.A)								x	
x	x								
)	x								
						x			
					x				
		x					x	x	
								x	
	x					x			
								x	
	x					x			
	x						x	x	x
								x	
								x	
	x								
	x								
									x
								x	
					x				
						x			
		x							
		x			x				
		x							
		x							
		x							

						x			
		x							
						x			
		x							
		x							
					x				
					x				
		x							
		x							
		x							
		x							
		x							
		x							
		x							
		x							
		x				x		x	
		x							
		x							
		x							
					x				
			x			x			
			x						
			x						
			x		x	x			
			x			x			

						x			
						x			
						x			
						x			
						x			
						x			
						x			
						x			
						x			
						x			
					x				
					x				
					x				
					x				
					x				
					x				
		x			x				
15	59	110	23	5	84	114	9	96	33

Debre Markos	Debre Tabor	Dembi Dolo	Dilla	Dire Dawa	Gambella	Gondar	Haramaya	Hawassa
								X
	x						x	X
				X			x	X
	x						x	X
						X		
						X	x	X
						X		
x						X	x	
			X	X		X	x	
							x	
							x	
							x	
						X	x	X
						X	x	X
								X
								X
								X
						X	x	
						X	x	
						X	x	
						X		
x				X		x		X
								X
				X				
						x		
						x		
						x		
						x		X
						x		X
						x		X
							x	

							x	
							x	
x							x	
							x	
							x	
	x							
	x							
							x	
x								
x								
						X		

						X		
				X				
							x	
							x	
								X
x								
						X		
						x		X
						X		
x			X			X	x	X
			X				x	X
						X		x
							x	X
x								X

							x	X
	x						x	X
				X			x	X
x							x	
						X		
							x	X
x						X	x	X
								X
x							x	X
						X	x	
						X		
	x							
x	x			X		x	x	X
				X				
						x		
						x		
							x	
						x		
						x		X
						x		
				X		x		
							x	
	x						x	
x								
							x	
	x							
	x							
	x							
	x							

					X			
						X		
						X		
x								
x								
x								
x								
x								
x								
x								
						X		
						X		

								X
	x						x	X
x						x		
x								
						x		
x								
				X				
						X		
						X		
								X
	x			X	X	x	x	
x						x		
				X				
				X		x		

x	x			X				
	x			X				
						x		
x				X		x	x	X
								X
							x	
							x	
x						X		
x								
x								
x								
x						X		
x								
x								
x								
x								
x								
x								
x								
x								
x								
x								

	x					X	x	X
x								
								X
x	x			X		X		X
								X
				X			x	
				X				
						X		
				X		X		
				X				
								X
x				x			x	X
				X				
							x	X
						x		
x						X	x	x
						X		
						X		
x							x	
						X	x	
							x	
						x		
						X	x	X
							x	X
								X
							x	X
	x							X
								X
				X				X
				X				
						x		X
							x	X
							x	
							x	
							x	

							x	
	x							
x								
x								
						X		
						X		
		X	X	X		X	x	X

				X		X		X
								X
x								
x							x	X
						X		
							x	
						X		
						X	x	
						X		
x	x					X	x	X
	x						x	X
						X	x	X
x							x	X
								X
							x	
								X
x							x	X
x						X	x	X
								X
	x						x	
x					X	x		
								X
	x							X
				X				
								X
				X				

						x		
						x		
						X		
x								
x								

x			X				x	X
						X		
							x	X
	x						x	
						X		
						X	x	
						X		X
								X
						X	x	X
	x						x	
x						X	x	X
						X	x	X
x						X	x	X
							x	X
							x	X
							x	x
								X
				X				X
						x		
								X
						x		X
								X

								X
						x		X
x								
						x		X
						x		
	x							X
						x		X
						x	x	X
						x		X
						x		X
						x		
						x	x	X
						x	x	X
x				x			x	X
							x	
				x				
				X				
	x							X
				X				
x						x	x	X
				X				
	x					X		
						X		
						x		
						X		

						X		
						x	x	
						X		
x								
x								
x								
x								

						X		
						X		
68	31	1	5	36	3	110	96	104

Jigjiga	Jimma	Kotobe Metr	Madda Wala	Mekdela Am	Mekelle	Mettu	Mizan-Tepi	Oda Bultum
	x	X				x		
	x							
		X					x	
x			x					
x		X			x			
x	x					x		
	x							
	x							
	x							
x								
x	x		x			x	x	
	x				x			
			x					
			x					
			x					
	x							

								x
								x
					x			x
	x							
					x		x	
					x			

	x							
	x							
	x							
	x							
	x							
	x							
	x							
	x							
	x							
	x							
	x							
	x							
	x							
	x							
	x							
	x			x	x			
				x	x			
	x							
		X						
	x							
		X						
	x				x			
X		X						
	x				x			
				x	x	X		
					x			
	x							
	x							
	x		x		x			
	x	X						

		X	x		x	x		
		X	x			x		
	x							
			x		x	x		
	x				x		x	
	x							
	x				x			
	x							
x					x			
x								
						x	x	
	x		x					
			x					
	x		x					
	x				x			
x					x			
	x					x		
	x							
x								
x	x				x			
x	x							
					x		x	
							x	
		X						
		X				x		
		X						

	x							
		x						
		X						
		X						
		X						
		X						
		X						
		X						
		X						
		X						
	x							
	x							
	x							
	x							
	x							
	x							
	x							
	x							
	x							
	x							
	x							
					x			
	x				x	x		
					x	x		
					x			
		X			x			
	x							
	x							
								x
x			x		x	x		
x	x		x				x	
					x			

					x			
x					x	x		
							x	

	x							
X	x							
	x							
	x							
X				x	x			
				x	x			
				x	x			
	x							
				x	x			
	x			x	x			
		X						
		X	x	x	x	x		
			x					
	x							
	x		x		x	x		
					x			
			x					x
	x							
					x			
		X			x			
						X		
					x		x	
	x							
							x	
							x	

						x		
		X						
		X						
		X						
		X						
X		X			x			
	x							
	x							
	x							
	x							
	x							
	x							
	x							
	x							
	x							

	x							
	x							
	x							
	x							
	x							
	x							
	x							
					x			
	x							
	x							
		X			x			
		X	x					
x								
	x				x			
	x		x				x	x
	x						x	
	x							
	x		x		x			x
	x		x		x			
					x	X		
x					x			
x								
x	x		x				x	
	x						x	
	x				x			
					x			

					x			

		X	x		x	x		
			x					
		X						
		X	x					
x								
	x							
					x			
			x				x	
	x				x			
			x					
	x							
	x						x	

							x	
	x	X				x		
	x						x	
	x							
	x					x		
					x			
	x				x			
	x				x			
							x	
							x	
							x	
							x	
					x			
					x			
					x			

	x							
	x							
	x							
	x							
	x							
	x							
	x							
	x							
	x							
	x							
	x							
	x							
	x							
24	137	39	29	10	64	25	24	7

Selale	Samara	Wachemo	Wolkite	Worabe	Wolaita Sod	Woldia	Wollega	Wollo
							x	x
								x
		x			x		x	x
x	X	x			x			x
x					x			x
							x	
x								
		x					x	x
							x	
								x
								x
							x	
							x	
							x	x
x	X	x		x	x	x	x	x
								x
							x	
					x			
							x	x

								x
							x	
					x			
					x			
					x			
x								
								x
								x
								x
		x						
		x						
							x	
							x	x
							x	
							x	
							x	
							x	
							x	
							x	
							x	
							x	
							x	

								x
					x			x
x							x	x
					x		x	x
					x			
		x						
								x
					x			
					x			
x					x	x		
					x		x	x
							x	
					x			
							x	x
x	X	x			x		x	
		x						
					x		x	
						x		
								x
							x	
								x
					x			
							x	x
								x
								x
							x	x
						x		x
							x	x
								x

						x	x	
							x	
							x	
						x	x	
							x	
							x	
							x	
							x	
							x	
							x	
							x	
						x	x	x
							x	
							x	
							x	
							x	
							x	
							x	
							x	
							x	
						x		
						x		
						x		
						x		
							x	
							x	
							x	
							x	
							x	
							x	
							x	

								x
x		x			x			x
							x	
								x
								x
							x	
							x	
							x	
							x	
							x	
							x	
						x		

		x			x		x	
					x			x
					x			
					x		x	
					x		x	
								x
								x
x					x	x	x	
							x	x
		x					x	x
								x
							x	
	X						x	x
x								x
							x	x

								x
								x
							x	

								x
x		x						x
x					x			
								x
		x			x		x	x
							x	
					x	x	x	
					x	x	x	x
					x			
					x			
					x	x		
	x			x	x			
							x	x
					x	x		x
							x	x

								x
							x	
								x
		x						
x		x						x
			x				x	x
x					x	x		

x		x						x
								x
							x	
								x
								x
	X							
								x
					x			x
								x
							x	x
						x		x
		x			x			
							x	
		x						
	X							x
								x
							x	x
					x			
					x			
					x			
x								c
							x	

							x	
								x
								x
x							x	x
					x		x	x
					x			
								x
					x			
x								x
								x
								x
								x
						x		x
								x
								x

								x
	X							
								x
								x
							x	

No of Universities offering this Program
2
1
1
1
1
3
1
1
13
6
1
1
1
6
1
12
15
9
4
3
9
3
2
2
1
1
1
1
5
6
6
2
23
1
1
6
1
2
2
2
1
3
5
3
1
10

2
6
2
4
1
1
1
2
2
3
3
1
2
1
1
2
2
1
2
1
1
1
1
1
1
1
3
4
1
3
1
4
1
1
2
1
2
1
1
2
1
1
1
1
1
2
1
1
1
1
2

1
2
1
1
1
2
1
1
2
1
1
1
1
1
1
2
2
1
1
1
2
1
1
1
1
2
1
9
5
3
5
1
2
4
3
2
1
2
5
6
1
15
9
3
1
5
2
9
1
4

1
2
5
3
15
1
12
5
3
1
1
1
8
1
1
2
15
3
12
6
2
3
1
2
2
19
2
5
1
1
5
4
5
7
7
5
2
7
6
1
7
1
1
1
2
1
3
5
6
3

4
1
2
2
1
1
1
2
1
1
2
1
4
2
2
2
1
1
2
1
1
3
1
1
1
1
1
2
1
1
3
2
1
1
3
1
1
1
2
1
1
1
1
1
1
2
2
2
1
2
2

1
2
1
2
4
3
1
1
1
1
1
1
2
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
2
1
2
1
1
3
5
11
7
4
2
4
5
3
3
1
2
19
11
3
1
2
5

1
5
3
3
1
17
1
1
4
3
1
1
1
1
2
1
1
1
1
1
4
2
2
1
2
1
1
3
1
1
2
3
1
1
1
3
2
1
1
1
1
1
1
2
1
1
1
1
1
1

1
6
1
12
2
2
2
13
4
9
1
1
4
2
6
2
2
2
2
5
12
1
2
2
2
1
17
3
2
7
10
3
1
4
6
2
3
2
2
12
1
1
6
6
5
5
1
2
3

4
2
1
2
2
1
1
1
1
1
1
1
1
1
1
1
2
1
1
1
1
1
1
1
1
2
1
1
1
1
1
1
1
1
1
2
1
2
1
1
1
18
1
1
1
1
1
1
2
1
1
2
1

2
2
2
1
1
1
1
1
1
8
5
4
1
1
1
12
2
4
1
3
5
1
19
9
12
18
1
8
2
5
14
1
1
4
1
13
5
1
2
1
2
1
1
4
4
1
1
1
1
4

2
1
1
3
1
2
2
1
1
1
2
2
2
2
1
2
1
1
1
2
1
1
1
1
1
1
1
1
1
1
1
1
2
1
1
1
3
9
3
2
1
4
14
1
2
5
14
13
1
4

14
1
1
1
2
1
1
3
1
5
6
1
1
1
2
1
3
2
2
2
1
8
3
1
9
9
1
11
3
1
3
8
1
3
1
4
1
1
2
3
3
1
1
1
2
1
1
10
4

2
2
1
2
1
2
3
3
1
1
3
1
1
7
1
2
10
2
6
1
5
13
1
2
2
1
1
3
1
1
3
1
8
4
3
1
2
4
3
2
1
1
1
2
2
6
2
3
3
5

1
1
1
4
2
1
2
1
1
1
1
1
1
2
1
1
1
1
1
1
2
2
1
1
1
1
2
1
1
1
1
1
2
3
1
1
1
1
1
1
1
2
2
2
1
1
1
3
2

1
1
1
1
1
1
1
1
1
1
1
3
1
1
1
1
1
1
1
1
1
1
1
2
1
1
1
2
1
2
1
1
2
1
1
1
1
1
1

List of programs in universities by bands

Put "X" mark if the program is given in PHD program in your university

	Band	Name of the Program	AASTU	ASTU	AAU	Ambo	Arba Minch	Bahir Dar	Bulehora	Debere	Debre Markos	Debre Tabor	Dilla
1	6	Teaching Amharic			x								
2	5	Accounting & Finance			x				x				
3	1	Advanced Architectural Design											
4	6	Afaan Oromo			x								
5	4	Agricultural Economics											
6	4	Agricultural Entomology				x							
7	1	Agricultural Machinery Engineering		x									
8	4	Agroforestry											
9	4	Agronomy						x			x		
10	2	Algebra		x			x	x					
11	6	Amharic Literature						x					
12	4	Amnimal Ecology											
13	2	Analytic Chemistry						x					
14	3	Anatomy			x								
15	4	Animal Biotechnology		x									
16	4	Animal Breeding & Genetics						x	x				
17	4	Animal Ecology and Conservation Biology											
18	4	Animal Nutrition					x	x			x		
19	4	Animal Production			x		x				x		
20	6	Anthropology											
21	2	Apllied mathematics (Fluid Dynamics)											
22	6	Applied Developmental Psychology			x						x		
23	2	Applied Differential Equations		x									
24	2	Applied Mathematics				x		x		x			
25	1	Applied Mechanics			x								
26	2	Applied Microbiology						x	x				
27	6	Applied Social Psychology			x								

28	2	Applied Statistics											
29	4	Aquatic and Wetland Ecosystem Management						x					
30	4	Aquatic Ecosystems Management(+PhD			x								
31	4	Aquatic Fish Ecology											
32	4	Aquatic Sciences, Fisheries and Aquaculture											
33	2	Astronomy and astrophysics											
34	2	Athletics coaching						x					
35	2	Atmospheric physics											
36	2	Atomic, Molocular and Optical physics											
37	1	Automotive Engineering		x									
38	2	Biochemistry			x								
39	2	Biodiversity Conservation and Management					x						
40	2	Bioinformatics											
41	2	Bio-Inorganic Chemistry		x									
42	1	Biomedical Engineering			x								
43	3	Biomedical Sciences						x					
44	1	Bioprocess Engineering(Bioenergy, Food Process, Biopharmacutical, Bioenvironmental)											
45	2	Biostatistics											
46	1	Biotechnology			x		x	x					
47	1	Biotechnology (Agricultural, Inustrial, Medical)											
48	2	Botanical Science							x				
49	3	Cardio-Vascular Perfusion			x								
50	1	Chemical Engineeirng(Biochemical & Env.Engineering)						x					
51	1	Chemical Engineeirng(Biochemical Engineering)						x					
52	1	Chemical Engineeirng(Industrial & Env. Biotechnology)						x					
53	1	Chemical Engineeirng(Nano Science & Technology)						x					
54	1	Chemical Engineeirng(Polymer Science&Engineering)						x					
55	1	Chemical Engineeirng(Process Eng.& Design)						x					
56	1	Chemical Engineering		x				x					
57	1	Civil & Environmental engineering			x								
58	1	Civil Engineering(Construction Technology and Management)						x					
59	4	Climate and Food System											
60	4	Climate and Forest Resource											
61	4	Climate change and Bio-energy Development											

62	4	Climate Change and Rural Development											
63	4	Climate Smart Agriculture and Biodiversity Conservation (Sub-specialization: Crops; Livestock; Soil and water; Policy, institutions & Innovation; and Biodiversity conservation)											
64	3	Clinical Nutrition			x								
65	2	Combinatorics		x									
66	1	Communication Engineering		x	x								
67	1	Communication Systems Egnieering						x					
68	3	Community Nutrition			x								
69	6	Comparative litrature and Culture											
70	2	Computational Fluid Dynamics		x									
71	1	Computer engineering			x								
72	2	Computer Science							x				
73	1	Computer Science and Engineering		x									
74	1	Computing and Information Technology					x						
75	2	Condensed Matter Physics		x									
76	1	Control engineering			x								
77	5	Cooperative Studies				x							
78	6	Curriculum & Instructional Supervision											X
79	6	Curriculum and Instruction						x					
80	1	Design engineering											
81	5	Development Economics					x	x					
82	5	Development Studies											
83	2	Differential Equation					x		x				
84	5	Disaster Risk Management					x						
85	5	Disaster Risk Management and sustainable Development						x					
86	2	Doctor of Education in Biology						x					

87	6	Doctor of Education in Geography and Environmental Education											
88	2	Doctor of Philosophy Degree in Biotechnology (Agricultural Biotechnology)	x										
89	2	Doctor of Philosophy Degree in Biotechnology (Environmental Biotechnology)	x										
90	2	Doctor of Philosophy Degree in Biotechnology (Industrial Biotechnology)	x										
91	2	Doctor of Philosophy Degree in Biotechnology (Medical Biotechnology)											X
92	1	Doctor of Philosophy Degree in Chemical Engineering (Bio-energy Engineering)	x										
93	1	Doctor of Philosophy Degree in Chemical Engineering (Chemical Process and Product Design)	x										
94	1	Doctor of Philosophy Degree in Chemical Engineering (Food Process Engineering)	x										
95	1	Doctor of Philosophy Degree in Chemical Engineering (Smart Materials Engineering)	x										
96	2	Doctor of Philosophy Degree in Chemistry (Analytical	x					x					
97	2	Doctor of Philosophy Degree in Chemistry (Inorganic	x										
98	2	Doctor of Philosophy Degree in Chemistry (Organic)	x										
99	2	Doctor of Philosophy Degree in Chemistry (Physical)	x										
100	1	Doctor of Philosophy Degree in Civil Engineering (Construction Technology and Management)	x					x					
101	1	Doctor of Philosophy Degree in Civil Engineering (Geotechnical Engineering)	x										
102	1	Doctor of Philosophy Degree in Civil Engineering (Hydraulic Engineering)	x										
103	1	Doctor of Philosophy Degree in Civil Engineering (Road and Transport Engineering)	x										
104	1	Doctor of Philosophy Degree in Civil Engineering (Structural Engineering)	x										
105	1	Doctor of Philosophy Degree in Civil Engineering (Water Supply and Sanitary Engineering)	x										
106	1	Doctor of Philosophy Degree in Electrical and Computer Engineering (Communication Engineering)	x										
107	1	Doctor of Philosophy Degree in Electrical and Computer Engineering (Control and Instrumentation	x										
108	1	Doctor of Philosophy Degree in Electrical and Computer Engineering (Power Engineering)	x										
109	1	Doctor of Philosophy Degree in Electrical and Computer Engineering in (Computer Engineering)	x										

110	1	Doctor of Philosophy Degree in Electromechanical Engineering (Mechatronics Engineering)	x										
111	1	Doctor of Philosophy Degree in Environmental Engineering	x										
112	2	Doctor of Philosophy Degree in Food Science and Nutrition	x										
113	2	Doctor of Philosophy Degree in Geology (Economic Geology)	x										
114	1	Doctor of Philosophy Degree in Geology (Engineering Geology)	x										
115	2	Doctor of Philosophy Degree in Geology (Geochemistry)	x										
116	2	Doctor of Philosophy Degree in Geology (Hydrogeology)	x										
117	2	Doctor of Philosophy Degree in Geology (Petrology)	x										
118	2	Doctor of Philosophy Degree in Geology (Sedimentary Geology)	x										
119	2	Doctor of Philosophy Degree in Geology (Structural Geology and Tectonics)	x										
120	1	Doctor of Philosophy Degree in Mechanical Engineering (Automotive Engineering)	x										
121	1	Doctor of Philosophy Degree in Mechanical Engineering (Manufacturing Engineering)	x										
122	1	Doctor of Philosophy Degree in Mechanical Engineering (Mechanical Design)	x					x					
123	1	Doctor of Philosophy Degree in Mechanical Engineering (Thermal Engineering)	x					x					
124	1	Doctor of Philosophy Degree in Software Engineering	x										
125	6	Doctor of Philosophy in Counseling Psychology											
126	6	Doctor of Philosophy in Educational Psychology											
127	2	Doctorate Degree in Chemistry											

128	6	Documentary Linguistics Experimental Linguistics			x								
129	4	Dryland Ecology and Resources management											
130	4	Ecology and Environment											
131	5	Economics							x				
132	6	Education				x							
133	2	Education in Bioloby											
134	2	Education in Chemistry											
135	6	Education in English											
136	2	Education in Mathematics											
137	2	Education in Physics											
138	6	Educational Leadership											X
139	6	Educational Leadership and Policy Studies				x			x				
140	6	Educational Measurement & Evaluation											
141	6	Educational Policy and Leadership						x					
142	6	Educational Policy and Strategic Management											
143	6	Educational Psychology						x					
144	1	Electrical Power Engineering		x				x					
145	1	Electrical Power Engineering			x								
146	2	Engineering and technology											
147	6	English Language Teaching				x	x						
148	2	Entomology									x		
149	6	Environment & sustainable Development			x								
150	4	Environment and Natural Resource Management					x						
151	2	Environmental Biotechnology		x									
152	1	Environmental Engineering			x								
153	6	Environmental Science			x				x				
154	4	Environmental Toxicology											
155	3	Epidemology											
156	6	Ethiopian Languages education											
157	2	Excercise Physiology											

158	4	Fisheries and Aquaculture						x					
159	2	Fluid Dynamics											
160	6	Folklore/Cultural studies						x					
161	1	Food Engineering			x								
162	2	Food safety and Zoonosis											
163	2	Food Science and Nutrition			x								
164	2	Food Science and Technology											
165	6	Food Security and Developmental Studies			x								
166	4	Forest and Livelihood											
167	6	Gadaa & Governance Studies							x				
168	6	GeES-Urban & Regional Development Planning											
169	3	General Public Health			x								
170	3	General Public Health(GMPH)						x					
171	2	Genetics											
172	6	Geography and Environmental Education											
173	6	Geography and Environmental Studies						x					
174	4	Geo-Information and Earth Observation for Hydrology					x						
175	1	Geological Engineering+ (PhD)			x								
176	2	Geological Sciences + (PhD			x								
177	2	Geophysics+ (PhD			x								
178	1	Geotechnical Engineering			x								
179	2	Graph Theory											
180	1	Ground Water Engineering					x						
181	3	Health Biotechnology		x									
182	3	Health Informatics											
183	6	Heritage studies											
184	6	Higher Education Leadership and Management											
185	6	History								x			
186	4	Horticulture					x						
187	3	Human Nutrition											

188	5	Human Resource Economics International Economics			x								
189	5	Human Resource Management					x						
190	1	Hydraulic Engineering		x			x						
191	2	Hydrogeology											
192	1	Hydrology and water Resources Management+ (PhD)			x								
193	1	Industrial & System Engineering						x	x				
194	5	Industrial and Management System											
195	1	Industrial Engineering			x								
196	1	Industrial engineering (Quality and Productivity Management)											
197	3	Infectious Diseases					x						
198	4	Integrated Natural Resource & Environmental Mgt							x				
199	1	Irrigation and Drainage Engineering					x						
200	1	Irrigation Engineering		x									
201	4	Land Administration and Management						x					
202	2	Laser Spectroscopy		x									
203	6	Law & Development							x				
204	6	Law Federalism and Governance Human Rights			x								
205	6	Linguistics			x								
206	6	Literature						x			x		
207	5	Logistics and supply chain management			x								
208	5	Management			x			x	x			x	
209	1	Manufacturing Engineering		x				x					
210	5	Marketing Management					x	x	x				
211	1	Material Science and Engineering											
212	2	Materials Chemistry		x									
213	2	Materials Physics		x									
214	2	Mathematical Modeling		x					x				
215	2	Mathematics			x								
216	2	Mathematics (Analysis)											
217	1	Mechanical Design and Applied Mechanics			x								

218	3	Medical Microbiology				x							
219	2	Medicinal Chemistry		x									
220	3	Mental health Epidemiology			x								
221	4	Meorology and climate change											
222	2	Microbial Cellular & Molecular Biology			x								
223	4	Microbial Ecology											
224	2	Microbiology			x								
225	3	Midwifery											
226	2	Natural product Chemistry		x									
227	1	Natural Resource Engineering & Management											
228	4	Natural Resources & Sustainable Agriculture											X
229	2	Nuclear Physics											
230	2	Numerical Analysis		x			x						
231	3	Nursing			x								
232	5	Operations Research					x						
233	2	Optimization		x									
234	6	Oromo Language and Literature											
235	6	Oromo Literature & Folklore							x				
236	3	Parasitology											
237	6	Peace & Security Studies			x								
238	3	Pharmaceutical Biotechnology		x									
239	3	Pharmaceutics			x								
240	6	PhD Degree in Afaan Oromoo Linguistics											
241	6	PhD Degree in Afaan Oromoo Teaching											
242	1	PhD Degree in Ceramics Engineering											
243	6	PhD Degree in Folklore (Amharic)											
244	1	PhD Degree in Metallurgical Engineering											
245	6	PhD Degree in Oromoo Literature											
246	1	PhD Degree in Polymer Engineering											
247	4	PhD in Applied Ecology											

248	4	PhD in Aquaculture & Fisheries Management											
249	1	PhD in Civil Engineering (Construction Engineering, Transportation Engineering, Sustainable Water Resources Engineering, Structural Engineering) with cour											
250	1	PhD in Civil Engineering (Construction Engineering, Transportation Engineering, Sustainable Water Resources Engineering, Structural Engineering) without c											
251	1	PhD in Design of Mechanical Systems											
252	5	PhD in Financial Economics											
253	3	PhD in Health Communication & Health Behavior											
254	5	PhD in Industrial Economics											
255	2	PhD in Information Science											
256	1	PhD in Manufacturing Systems Engineering											
257	3	PhD in Medical Physiology											
258	4	PhD in Natural Resources Management (Specialization Biodiversity Management											
259	4	PhD in Natural Resources Management (Specialization Climate Change Adaptation and Mitigation)											
260	2	PhD in Nutrition											
261	3	PhD in Pharmaceuticals Science											
262	3	PhD in Reproductive Health											
263	4	PhD in Rural Development and Agricultural Extension (specialization in Agricultural and Rural Policy)											
264	4	PhD in Rural Development and Agricultural Extension (Specialization in Agricultural & Rural Innovations)											
265	4	PhD Rural Development and Agricultural Extension (Specialization in Environmental Sustainability)											
266	6	Philology			x								
267	2	Physics (Material Physics)					x						
268	3	Physiology			x								
269	2	Plant Biology						x					
270	4	Plant Biotechnology		x									
271	4	Plant Breeding									x		
272	4	Plant Breeding and Genetics						x					
273	4	Plant breeding and Seed systems											
274	4	Plant Ecology											
275	4	Plant Pathology				x							
276	2	Plasma physics											
277	6	Population Studies			x								

278	6	Population, Resources and Development)			x								
279	4	Postharvest Technology						x					
280	1	Power engineering			x								
281	1	Power System Engineering							x				
282	1	Process Engineering			x								
283	6	Psychology											X
284	3	Public Health											
285	3	Public Health Officer											
286	3	Public Health/Reproductive Health							x				
287	2	Quantum Optics and Information		x									
288	4	Range Ecology and Dryland Biodiversity											
289	6	Real Analysis											
290	2	Remote Sensing and Geo-informatics			x								
291	2	Resource Geology+ (PhD)			x								
292	4	Rural Development						x					
293	4	Rural Livelihoods and Development			x								
294	6	Social Anthropology			x			x					
295	3	Social Pharmacy and Administrative Pharmacy			x								
296	6	Social Work											
297	5	Socioeconomic Development Planning & Environment)			x								
298	6	Sociology											
299	6	Sociology (Health and Well-being)			x								
300	4	Soil and Water Management					x						
301	4	Soil Science						x					
302	2	Solar Astrophysics											
303	2	Solid State Physics						x					
304	6	Special Needs Education	x		x								X
305	2	Sport Science											
306	2	Sports management											
307	2	Statistics			x								

308	2	Statistics (Biostatistics, industrial statistics, Econometrics)						x					
309	1	Structural Engineering			x								
310	1	Sustainable Energy Engineering						x					
311	2	Synthetic Organic Chemistry		x									
312	6	Teaching Amharic											
313	6	Teaching Amharic -TeAM						x					
314	6	Teaching English as Foreign Language						x			x		
315	5	Technology and Innovation Management		x									
316	6	TEFL			x								
317	6	TEFL English Literature			x								
318	1	Textile Science and Technology						x					
319	1	Thermal Engineering			x								
320	4	Tropical Animal health											
321	5	Urban and Housing Development		x									
322	4	Urban and Regional Planning			x								
323	4	Verenary Surgery Diagnostic Imaging											
324	4	Vet Obstetrics and Gynecology			x								
325	4	Vet Parasitology			x								
326	4	Vet Public Health			x								
327	4	Veterinary Epidemology											
328	4	Veterinary Public Health				x							
329	4	Water and Health			x								
330	5	Water Resources and Management						x					
331	5	Water Resources Development and Management											
332	1	Water Resources engineering and Management ,			x								
333	1	Water Sciences and Technology(PhD)			x								
334	1	Water Supply & Environmental engineering			x		x						
335	4	Zoological Science			x								
			37	32	75	9	24	55	19	2	8	1	6

1	81
2	84
3	28
4	61
5	21
6	60
	335

NB:
Band 1 - Engineering and Technology fields
Band 2: Natural Science fields
Band 3: Health Science fields
Band 4: Agriclture fields
Band 5: Business and Economics fields
Band 6: Social sciences and humanities

Dire Dawa	Gondar	Haramay	Hawassa	Jimma	Mekele	Wolayta	Wollega	Wollo	# of Univ
									1
				x					3
							x		1
									1
	x			x		x		x	4
	x								2
									1
		x	X						2
	x	x	X	x					6
					x				4
									1
					x				1
									1
									1
					x				2
	x	x	X						5
						x			1
	x	x	X	x					7
									3
					x				1
					x				1
									2
									1
			X						4
									1
	X			x					4
									1

			X						1
									1
									1
					x				1
			X						1
					x				1
									1
					x				1
					x				1
									1
									1
									1
					x				1
									1
									1
									1
					x				1
	X			x					2
									3
					x				1
	X								2
									1
									1
									1
									1
									1
									1
									1
									2
									1
									1
					x				1
					x				1
			X						1

					x				1
	x								1
									1
									1
									2
									1
									1
					x				1
									1
									1
									1
									1
									1
									1
				x					2
									1
									1
		x							2
				x					2
					x				1
							x		3
							x		1
									2
									1
									1
									1

				x					1
	X								2
	X								2
	X								2
	x								2
									1
									1
									1
									1
									2
							x		2
							x		2
									1
									2
									1
									1
									1
									1
									1
									1
									1
									1
									1

									1
				x					2
									1
									1
									1
									1
									1
									1
									1
									1
									1
					x		x		3
					x				3
									2
									1
				x					1
				x					1
				x					1

									1
					x				1
					x				1
	X				x				3
									1
			x		x				2
			X		x				2
					x				1
			X		x				2
			X						1
		x							2
		x	X	x		x			6
			X						1
									1
					x				1
				x					2
									2
									1
					x				1
		x						x	4
	X		X				x		4
									1
									1
									1
									1
									2
			X						1
	X								1
					x				1
					x				1

									1
							x		1
									1
									1
					x				1
									1
			X	x					2
									1
	X								1
									1
	X								1
									1
							x		2
	X							x	2
					x				1
									1
									1
									1
									1
									1
									1
							x		1
									1
									1
	X								1
					x				1
					x				1
	X			x	x				4
			X	x					3
			X						1

									1
									1
			X						3
					x				1
									1
							x		3
							x		1
									1
					x				1
									1
	X								2
									1
									1
									1
									1
									1
									1
									1
	x				x				4
					x				2
	X			x	x		x		8
					x				3
			X						4
X				x					2
									1
									1
							x		3
									1
					x			x	2
									1

	X								2
									1
									1
					x				1
									1
					x				1
									1
	X								1
									1
			X						1
									1
					x				1
	x			x			x		5
	X	x			x				4
									1
									1
							x		1
									1
	X								1
									1
									1
									1
				x					1
				x					1
				x					1
				x					1
				x					1
				x					1
				x					1
				x					1

				x					1
se				x					1
ourse				x					1
				x					1
				x					1
				x					1
				x					1
				x					1
				x					1
				x					1
				x					1
				x					1
				x					1
				x					1
				x					1
				x					1
				x					1
				x					1
				x					1
				x					1
				x					1
									1
					x				2
									1
									1
	x		x						3
				x			x		3
									1
					x				1
					x				1
		x		x					3
					x				1
					x				2

									1
				x					2
									1
									1
									1
									1
					x				1
	X	x	X			x			4
									1
					x				2
	x								1
	x						x		2
									1
									1
						x			2
									1
	X								3
									1
	X								1
									1
	X								1
									1
									1
		x	X		x		x		5
					x				1
	x						x		3
									3
					x				1
					x				1
									1

									1
									1
				x	x				3
									1
					x				1
	X								2
				x		x			4
									1
					x				2
									1
									1
									1
					x				1
									1
									1
					x				1
									1
									1
									1
	X								1
	X								2
									1
									1
					x				1
									1
									1
									2
									1
1	40	12	25	52	63	6	20	4	