

SUMMARY OF COURSES OFFERED

APPLIED SCIENCES SUBJECT AREA

400 LEVEL – APPLIED SCIENCES				
Course Code	Course Title	No. of credits	Pre-requisite	Compulsory for Applied Science Degree
AS 400	Industrial Management	2	None	√
AS 401	Industrial Placement	8	AS 400, AS 402, AS 404	√
AS 402	Research Methodology and Scientific Writing	2	EN 200	√
AS 403	Seminar	1	EN 200	√
AS 404	Data Integrity Management and Data Analysis	2	AS 400	√
AS 409	Industry and the Environment	2	Background in Environmental Science	√
AS 410	Industrial Application Laboratory	2	Background in Chemistry and Physics, AS 404	√
AS 414	Industrial Microbiology	2	AS 409	
AS 415	Biodiversity Conservation and Sustainable Development	2	Background in Biology	
AS 416	Fisheries and Aquaculture	2	Background in Biology	
AS 417	Food and Fresh Produce Technology	2	None	
AS 418	Ecotourism	2	Background in Biology	
AS 481	Enzymes in Industry	2	Background in Biology	
AS 482	Biochemistry and Molecular Biology Laboratory Instrumentation	1	Background in Biology	
AS 483	Bioinformatics	2	Background in Biology	
AS 431	Chemical Technology	2	AS 410	
AS 432	Cleaner Production for Industry	2	AS 409	
AS 433	Industrial Waste Management	2	As 409	
AS 434	Industrial Organic Chemistry	2	Background in Chemistry	
AS 444	Industrial and Economic Minerals	2	None	
AS 445	Remote Sensing and Geographic Information System	2	None	
AS 451	Industrial Mathematics	2	Background in Mathematics	
AS 452	Financial Mathematics	2	Background in Mathematics	
AS 461	Semiconductor Device Technology and Application	2	Background in Physics	
AS 462	Science and Technology of Ceramic Materials	2	Background in Physics	
AS 463	Energy; Sources, use and conservation	2	Background in Physics	
AS 464	Workshop Practice	2	None	
AS 465	Industrial application (Electronics/Hardware) Laboratory	2	Background in Electronics	
AS 471	Design and Development of Software Systems	2	Background in Computer Science	
AS 472	Management of Computers and Computer Networks	2	Background in Computer Science	
AS 473	Visualizing Statistical Concepts using Java and Software Development	2	Background in Statistics	
AS 474	Statistical Applications in Industry and Project Presentation	2	Background in Statistics	
	Total	68		