

Degree Audit (Applied Chemistry)

Diploma Year I

Course Code	Course Title	Pre-Requisites	Co-Requisites	Passing Grade	Credit Hours	Theory Hours	Practical Hours	Contact Hours	Semester
MATH 1102	PURE MATH	FP MT0101	–	Pass/fail	0	3	0	3	O N E
ENTW 1100	TECHNICAL WRITING – I	FP Level 4	–	D	3	2	2	4	
ITAD 1100	Advanced IT Skills	FPIT0001	–	D	3	0	6	6	
BIOL 1100	FUNDAMENTALS OF BIOLOGY	–	–	C-	4	3	2	5	
CHEM 1102	FUNDAMENTALS OF CHEMISTRY	–	–	C-	3	2	2	4	
Total					13	10	12	22	

ENTW 1200	TECHNICAL WRITING II	ENTW1100	–	D	3	2	2	4	T W O
ENVS 1200	FUNDAMENTALS OF ENVIRONMENTAL SCIENCES	–	–	C-	3	2	2	4	
PHYS 1201	PHYSICS	MATH1102	–	C-	3	2	2	4	
LABT 1201	LABORATORY TECHNIQUES	–	BIOL 1100 & CHEM 1102	C-	3	0	6	6	
CHEM 1202	CHEMISTRY I	CHEM1102	–	C-	3	2	2	4	
Total					15	8	14	22	
BAMG 2111	ENTREPRENEURSHIP	ENTW 1200	–	D	3	2	2	4	S U M M E R
SLOM 1103	SLOM		–	C-	3	2	2	4	
Total					6	4	4	8	

Credits	Theory	Practical	Total	Ratio
34	22	30	52	42% : 58%

Diploma Year II

Course Code	Course Title	Pre-Requisites	Co-Requisites	Passing Grade	Credit Hours	Theory Hours	Practical Hours	Contact Hours	Semester
ENGL 2100	TECHNICAL COMMUNICATION	ENTW1200	–	D	3	3	0	3	O N E
CHEM 2104	GENERAL ORGANIC CHEMISTRY	CHEM1102	–	C-	3	2	2	4	
	INTRO TO RENEWABLE ENERGY	PHYS1201	–	C-	3	2	2	4	
CHEM2102	CHEMISTRY II	CHEM1202	–	C	3	2	2	4	
CHEM2103	CHEMISTRY LAB TECHNIQUES I	LABT1201	–	C	3	0	6	6	
MATH 1200	CALCULUS I	MATH1102	–	C-	3	3	0	3	
Total					18	12	12	24	

CHEM 2201	ANALYTICAL CHEMISTRY I	CHEM1202	–	C-	3	0	6	6	T W O
INST 2200	INSTRUMENTATION	PHYS1201, SLOM1103	–	C-	3	1	4	5	
MATT2200	MATERIAL TECHNOLOGY	–	–	C	3	2	2	4	
CHEM2203	INDUSTRIAL CHEMISTRY I	CHEM1202	–	C	3	2	2	4	
CHEM2202	PROJECT I A	CHEM2103	CHEM 2201 CHEM 2203	C	3	0	6	6	
Total					15	5	20	25	
PHIL 3108	BUSINESS ETHICS	–	–	D	3	3	0	3	S U M M E R
CHEM2301	PROJECT I B	CHEM2202	–	C	3	0	6	6	
Total					6	3	6	9	

Credits	Theory	Practical	Total	Ratio
39	20	38	58	34% : 66%

Advanced Diploma

Course Code	Course Title	Pre-Requisites	Co-Requisites	Passing Grade	Credit Hours	Theory Hours	Practical Hours	Contact Hours	Semester
STAT 3120	STATISTICS & I T	ITAD 1100	-	C-	3	2	2	4	O N E
CHEM3101	CHEMISTRY LAB TECH II	CHEM2103	-	C	3	0	6	6	
CHEM3102	ORGANIC CHEMISTRY I	CHEM2104	-	C	3	2	2	4	
CHEM3103	PHYSICAL CHEMISTRY I	CHEM1202 MATH1200	-	C	3	2	2	4	
CHEM3104	INORGANIC CHEMISTRY I	CHEM2102	-	C	3	2	2	4	
Total					15	8	14	22	

ENGL 3100	PUBLIC SPEAKING	ENTW1200	-	D	3	2	2	4	T W O
PHIL 3201	FORMAL ARABIC COMMUNICATION	-	-	D	3	3	0	3	
Xxx	DEPARTMENTAL ELECTIVE*	-	-	C-	3	2	2	4	
CHEM3201	ORGANIC CHEMISTRY II	CHEM3102	-	C	3	2	2	4	
CHEM3202	COMPUTERS IN CHEMISTRY	CHEM2104	-	C	3	0	6	6	
Total					15	9	12	21	
XXX	SPECIALIZATION ELECTIVE**		-	C	3	2	2	4	S U M M E R
QAQC 3200	QUALITY ASSURANCE & QUALITY CONTROL	-	-	C-	3	2	2	4	
Total					6	4	4	8	

* PENV 3203 PRINCIPLES OF ENV. CHEMISTRY

** CHEM3301 ENVIRONMENTAL CHEMISTRY (PRE-REQUISITE PENV320)

Credits	Theory	Practical	Total	Ratio
36	21	30	51	41% : 59%

B. Tech

Course Code	Course Title	Pre-Requisites	Co-Requisites	Passing Grade	Credit Hours	Theory Hours	Practical Hours	Contact Hours	Semester
PHIL 4101	OMAN CIVILIZATION	–	–	D	2	2	0	2	O N E
XXX	DEPARTMENTAL ELECTIVE*	–	–	C-	3	2	2	4	
CHEM4101	ANALYTICAL CHEMISTRY II	CHEM2201	–	C	3	0	6	6	
CHEM4102	INORGANIC CHEMISTRY II	CHEM3104	–	C	3	2	2	4	
	ELECTROANALYTICAL TECHNOLOGY	CHEM3103	–	C	3	2	2	4	
Total					14	8	12	20	

XXX	DEPARTMENTAL ELECTIVE*	–	–	C-	3	2	2	4	T W O
XXX	SPECIALIZATION ELECTIVE**	–	–	C	3	2	2	4	
CHEM4202	INDUSTRIAL CHEMISTRY II	CHEM2203	–	C	3	2	2	4	
CHEM4203	PHYSICAL CHEMISTRY II	CHEM3103	–	C	3	2	2	4	
CHEM4201	PROJECT II A	CHEM2301	CHEM 4101	C	3	0	6	6	
Total					15	8	14	22	
XXX	SPECIALIZATION ELECTIVE**		–	C	3	2	2	4	S U M M E R
CHEM4301	PROJECT II B	CHEM4201		C	3	0	6	6	
Total					6	2	8	10	

* NUTR 4200 NUTRITION

* POLLC 4100 POLLUTION & ITS IMPACT

**CHEM4204 DEVELOPMENT & APPLICATION OF CHEMISTRY

** CHEM4302 FOOD CHEM

Credits	Theory	Practical	Total	Ratio
35	18	34	52	35% : 65%