Abu Dhabi Polytechnic (ADPoly)

Program Name STUDY PLAN

SPECIALIZATION: SSA - Higher Diploma (HD)

Total Credits Hours = 120 C.H.

Year 1

1st Semester

Description (Math and Sciences, Humanities, Engineering Technology ….etc.)

No.	Course	Prerequiste	L	B	T	CH	CR
MATH-100	PreCalculus *	NA	3	2	2	7	4
ICT-110	Intro to Programming & Problem Solving	NA	2	2	2	6	3
HUM-xxx	Humanities - Elective (I)	NA	2	2	2	6	3
HUM-xxx	Humanities - Elective (II)	NA	2	2	2	6	3
ENGL-120	English Skills	NA	3	0	2	5	0
ENGL-121	Academic English 1	ENGL-120	3	0	2	5	3
Total			15	8	12	35	16

2nd Semester

Description (Math and Sciences, Humanities, Engineering Technology ….etc.)

No.	Course	Prerequiste	L	B	T	CH	CR
ICT-120	Object Oriented Programming in Java	ICT-110	2	2	2	6	3
ICT-121	Intro to Computer Networks	ICT-110	2	2	2	6	3
ENG-122	Academic English 2	ENGL-121	3	0	2	5	3
ENG-125	Intro to Computer Electronics	NA	2	2	2	6	3
Total			9	6	8	23	12

Summer

Description (Math and Sciences, Humanities ….etc.)

No.	Course	Prerequiste	L	B	T	CH	CR
ICT-131	Logic Design & Computer Organization	ENG-125	2	2	2	6	3
ICT-132	Fundamentals of Information Security	ICT-121	2	2	2	6	3
ICT-122	Discrete Mathematics	MATH-111	3	0	2	6	3
ENGL-211	Public Speaking (Blended L.)	ENGL122	1	0	2	3	1
ENGL-212	Literature Review (Blended L.)	ENGL122	1	0	2	3	1
ENGL-213	Report Writing (Blended L.)	ENGL122	1	0	2	3	1
Total			10	4	12	27	12

Year 2

1st Semester

Description

No.	Course	Prerequiste	L	B	T	CH	CR
ICT-210	Introduction to Software Security	ICT-120 & ICT-132	2	2	2	6	3
ICT-211	Data Structure and Algorithms	ICT-120 & ICT-122	2	2	2	6	3
NCS-217	Network Security	ICT-121	2	2	2	6	3
ICT-212	Intro to Database Systems	ICT-120	2	2	2	6	3
Total			8	8	8	24	12

2nd Semester

Description

No.	Course	Prerequiste	L	B	T	CH	CR
ICT-220	Operating Systems Security	ICT-131 & ICT-132	2	2	2	6	3
SSD-220	Web Programming and Security	ICT-132 & ICT-212	2	2	2	6	3
SSA-222	Information Systems Security	ICT-132	2	2	2	6	3
NCS-220	Ethical Hacking and Digital Forensics	NCS-217	2	2	2	6	3
NCS-222	Intro to Applied Cryptography	ICT-132	2	2	2	6	3
Total			10	10	10	30	15

Summer

Description

No.	Course	Prerequiste	L	B	T	CH	CR
SSA-230	Microsoft Windows Server Security - OCT I	ICT-220	1	6	0	7	2
SSA-236	MS Exchange Server Security - OCT I	ICT-220	1	6	0	7	2
SSA-232	Linux/UNIX Operating System Security - OCT I	ICT-220	1	6	0	7	2
SSA-233	MS SharePoint Server Security - OCT I	ICT-220	1	6	0	7	2
SSA-235	Ethical Hacking - OCT I	NCS-220	1	6	0	7	1
Total			5	30	0	35	9

Year 3

1st Semester

Description

No.	Course	Prerequiste	L	B	T	CH	CR
SSA-316	Virtualization Technology and Security	ICT-220 & NCS-217	2	2	0	4	3
SSA-317	Client/Server Security Admin	ICT-220 &NCS-217	2	2	0	4	3
SSA-318	Securing Linux/UNIX Server	ICT-220	2	2	0	4	3
SSA-319	Cloud and Infrastructure Security	NCS-217	2	2	0	4	3
HUM-402	Creativity, Innovation and Entrepreneurship	NA	3	0	0	3	3
SSA-314	Graduation Project I	Dept., Approval	1	2	0	3	1
Total			12	10	0	22	16

2nd Semester

Description

No.	Course	Prerequiste	L	B	T	CH	CR
SSA-326	Penetration and Vulnerability Analysis	SSA-235	2	2	0	4	3
SSD-327	Malware Analysis: Tools & Techniques	SSD-220 & SSA-235	2	2	0	4	3
SSA-328	Security Tools and Technologies: Windows	SSA-230	2	2	0	4	3
SSA-329	Database Server Security	ICT-212 & SSA-230	2	2	0	4	3
SSA-341	InfoSec Project Management	SSA-222	2	0	2	4	2
SSA-323	Graduation Project II	SSA-314	1	2	0	3	2
Total			11	10	2	23	16

Summer

Description

No.	Course	Prerequiste	L	B	T	CH	CR
SSA-336	Linux-Unix Security Administartion - OCT II	SSA-318	1	6	0	7	2
SSA-337	MS Windows Server Security Administration - OCT	SSA-328	1	6	0	7	2
SSA-338	Database Server Security - OCT II	SSA-329	1	6	0	7	2
SSA-339	MS Sharepoint Security Administration - OCT II	SSA-233	1	6	0	7	2
SSA-342	Exchange Server Security - OCT II	SSA-236	1	6	0	7	1
SSA-330	On Job Training (Internship)	Dept. Approval	1	2	3	6	3
Total			6	32	3	41	12

NOTES:

	HUMxxx Humanities Elective to be selected after consultation with the adviso
	Pre-requisite for Calculus I (MATH-111): placement exam>70%, or precalculus MATH100
	Students can select their specialization at end of 2nd Semester of 2nd year
	Pre-requisitse for SSA-314 are: Completion of 80 credits
	Pre-requisitses for NCS-330: Completion of at least 115 credits