

HOLY ANGEL UNIVERSITY
SCHOOL OF COMPUTING
BACHELOR OF SCIENCE IN CYBERSECURITY
Program Code: BSCyberSec
EFFECTIVE SCHOOL YEAR 2020-2021

COURSE CODE	COURSE TITLE	LEC HRS	LAB HRS	CREDIT UNITS	PREREQUISITE(S)
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FIRST YEAR, FIRST SEMESTER

2MATHMWORLD	Mathematics in the Modern World	3	0	3	None
9STS	Science, Technology and Society	3	0	3	None
6COMPRO1L	Computer Programming 1	2	3	3	None
6CFUN	Computing Fundamentals	3	0	3	None
4FYE1	Big History 1: Big Bang to the Future	3	0	3	None
THEOLOGY101	Theological Foundations: Judeo-Christian Tradition and Sacred Scriptures	3	0	3	None
7PE1	PE 1 - Movement Enhancement	2	0	2	None
CWTS1	Civic Welfare Training Services 1	0	3	3	None
TOTAL		19	6	23	

FIRST YEAR, SECOND SEMESTER

1PURCOMM	Purposive Communication	3	0	3	None
2ANAGEOM	Analytic Geometry	3	0	3	2MATHMWORLD
6DMS	Discrete Mathematics and Structures	3	0	3	2MATHMWORLD
6COMPRO2L	Computer Programming 2	2	3	3	6COMPRO1L
6HCI	Human Computer Interaction	0	3	3	6CFUN
4FYE2	Big History 2: Looking through the Lens of Big History	3	0	3	4FYE1
THEOLOGY102	Special Issues in Catholic Theology	3	0	3	THEOLOGY101
7PE2	PE 2 - Fitness Exercises	2	0	2	7PE1
CWTS2	Civic Welfare Training Services 2	0	3	3	CWTS1
TOTAL		19	9	26	

SECOND YEAR, FIRST SEMESTER

4ETHICS	Ethics	3	0	3	None
4CONWORLD	The Contemporary World	3	0	3	None
2CALCULUS	Calculus	3	0	3	2MATHMWORLD
6ICYBER	Introduction to Cyber Security & Emerging Technology & Threats to Cyber Security	3	0	3	6CFUN
6DSALGO	Data Structures and Algorithms	2	3	3	6COMPRO2L
6OOPLANG	Object-Oriented Programming	0	3	3	6COMPRO2L
6WEBTECHL	Web Technologies	0	3	3	6COMPRO1L
6OPSYSFUN	Operating Systems Fundamentals	3	0	3	6CFUN
7PE3	PE 3 - Physical Activities towards Health and Fitness 1	2	0	2	7PE2
TOTAL		19	9	26	

SECOND YEAR, SECOND SEMESTER

4READPHILHIS	Readings in Philippine History	3	0	3	None
2PROBSTAT	Probability and Statistics	3	0	3	2MATHMWORLD
6CNA	Campus Network Architecture	2	3	3	6CFUN
6DSANALGO	Design and Analysis of Algorithms	3	0	3	6DSALGO
6INFOMAN	Information Management	2	3	3	6DSALGO
6DWEBTOOLS	Dynamic Web Applications and Development Tools	0	3	3	6WEBTECHL
THEOLOGY103	Christian Spirituality in the Contemporary World	3	0	3	THEOLOGY102
7PE4	PE 4 - Physical Activities towards Health and Fitness 2	2	0	2	7PE3
TOTAL		18	9	23	

THIRD YEAR, FIRST SEMESTER

4ARTAPP	Art Appreciation	3	0	3	None
4RIZAL	Life and Works of Rizal	3	0	3	None
2LINALGEB	Linear Algebra	3	0	3	2MATHMWORLD
6INFOR	Introduction to Network Forensics	3	0	3	6ICYBER
6IOT	Internet of Things	0	3	1	None
6SERVERSEC1	Server Administration and Security 1	0	3	1	6ICYBER
6CLOUDSEC	Cloud Computing for Cybersecurity	0	3	3	6ICYBER
6ADVANSRS	Advanced Routing and Switching	2	3	3	6CNA
TOTAL		14	12	20	

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THIRD YEAR, SECOND SEMESTER

1LIT12	Great Books	3	0	3	None
4UNDERSELF	Understanding the Self	3	0	3	None
6WANTECH	Wide Area Networking Technologies	2	2	3	6ADVNRS
6SHSEC	Software and Hardware Security	0	3	1	6IOT
6SERVERSEC2	Server Administration and Security 2	0	3	1	6SERVERSEC1
9CBPHYS	Calculus-based Physics	3	0	3	2CALCULUS
9CBPHYSL	Calculus-based Physics Laboratory	0	3	1	2CALCULUS, Co-req: 9CBPHYS
TOTAL		11	11	15	

FOURTH YEAR, FIRST SEMESTER

6CYBERPOLICY	Cybersecurity and Privacy: Law, Policies, and Compliance	3	0	3	None
6ACLOUD	Advance Cloud Computing for Cybersecurity	0	3	3	6CLOUDSEC
6CRYPTOGRAPHY	Applied Cryptography	3	0	3	None
6NSECURE	Network Security Implementation	0	4	3	6ADVNRS
6ETHACKING	Ethical Hacking and Countermeasures	3	0	3	6CLOUDSEC
6CYBERCAP1	Capstone for Cybersecurity 1	3	0	3	None
TOTAL		12	7	18	

FOURTH YEAR, SECOND SEMESTER

6OJT	On-the-Job Training (486 hours)	0	0	6	Graduating
6CYBERCAP2	Capstone for Cybersecurity 2	3	0	3	6CYBERCAP1
TOTAL		3	0	9	

PROGRAM TOTAL

160

IMPORTANT: Registration in any subject is allowed only upon passing the prerequisite(s) of the said subject, if any. A subject enrolled in violation of this rule will not be given any credit regardless of the grade obtained.

NOTES: The nth Year Standing means that the student must have completed at least 75% of the load requirements of the previous year level.