



OLIVAREZ COLLEGE TAGAYTAY

Brgy. San Jose, E. Aguinaldo Highway, Tagaytay City

Bachelor of Science in Information Technology

Effective 2024-2025

CHED MEMORANDUM ORDER No. 25, s 2015

CURRICULUM

1st YEAR - 1st SEMESTER

CODE	COURSE DESCRIPTION	Pre-requisite	Lec	Lab	Total
IT 101	Computer Programming 1	-	2	1	3
IT 206	Theory of Data Base System	-	2	1	3
GEC 1	Understanding The Self	-	3	0	3
GEC 2	Readings in the Philippine History	-	3	0	3
GEC 5	Purposive Communication	-	3	0	3
GEC 6	Ethics	-	3	0	3
NSTP 1	National Service Training Program 1	-	3	0	3
OLIV 101	The Making of Quality Olivarian	-	2	0	2
PE1	Team Sports	-	2	0	2
TOTAL					25

1st YEAR - 2nd SEMESTER

CODE	COURSE DESCRIPTION	Pre-requisite	Lec	Lab	Total
IT 102	Computer Programming 2	IT 101	2	1	3
IT 201	Fundamentals of Networking	-	2	1	3
IT 103	Discrete Structure	-	3	0	3
GEC3	Math in the Modern World	-	3	0	3
ECO 1	Basic Economics w/ LRT	-	3	0	3
OLIV102	Values Orientation Including Personality Development	Olivarian 101	2	0	2
GEC9	Life, Works and Writing of Rizal	-	3	0	3
PE2	Physical Educ. 2	PE 1	2	0	2
NSTP 2	National Service Training Program 2	CWTS/NSTP 1	3	0	3
TOTAL					25

2nd YEAR - 1st SEMESTER

CODE	COURSE DESCRIPTION	Pre-requisite	Lec	Lab	Total
IT 200	Data Structure	-	2	1	3
IT 105	Design & Implementation of Programming Language	IT 102	2	1	3
IT 403	Object-Oriented Programming	-	2	1	3
IT 202	Basic Networking	IT 201	2	1	3
MC 4	Logic and Critical Thinking	-	3	0	3
PE3	Self Defense	PE 2	2	0	2
OLIV103	Community Relations and Service Orientation	-	2	0	2
FL 1	Foreign Language 1	-	3	0	3
TOTAL					22

2nd YEAR - 2nd SEMESTER

CODE	COURSE DESCRIPTION	Pre-requisite	Lec	Lab	Total
IT 204	System Analysis and Design	IT 103	2	1	3
IT 205	Computer Organization & Assembly Language	IT 105	2	1	3
IT 210	Web Programming	IT 102	2	1	3
IT 104	Quantitative Method	-	2	1	3
GEC7	Science, Technology & Society	-	3	0	3
GEC 4	Art Appreciation	-	3	0	3
GEC 8	The Contemporary World	-	3	0	3
OLIV104	Career Development Orientation	Olivarian 103	2	0	2
PE 4	Wellness and Fitness	PE 3	2	0	2
TOTAL					25

3rd YEAR - 1st SEMESTER

CODE	COURSE DESCRIPTION	Pre-requisite	Lec	Lab	Total
IT 214	Human Computer Interaction	-	2	1	3
IT 203	Multimedia Systems	-	2	1	3
IT 209	Software Engineering	IT 104, IT 205	2	1	3
IT 301	Eelctive (Business Systems)	-	2	1	3
IT 302	Operations Research	IT 204	3	0	3
IT 207	Elective (Information Assurance Security)	-	2	1	3
TOTAL					18

3rd YEAR - 2nd SEMESTER

CODE	COURSE DESCRIPTION	Pre-requisite	Lec	Lab	Total
IT 211	Advance Database Management	IT 209, IT 205	2	1	3
IT 213	Computer Graphics	IT 210	2	1	3
IT 212	Capstone Project/Thesis	IT 302	2	1	3
IT 401	Web System and Technology	IT 210	2	1	3
IT 402	Elective (System Administration & Maintenance)	-	2	1	3
IT 207A	Elective (Advance Information Assurance Security)	IT 207	2	1	3
TOTAL					18

4th YEAR - 1st SEMESTER

CODE	COURSE DESCRIPTION	Pre-requisite	Lec	Lab	Total
IT 304	Technoprenuership	-	2	1	3
IT 106	ITE Professional Ethics	-	2	1	3
IT 405	Advance Networking	IT 202	2	1	3
IT406	Eelctive (Cyberscurity)	-	2	1	3
TOTAL					12

4th YEAR - 2nd SEMESTER

CODE	COURSE DESCRIPTION	Pre-requisite	Lec	Lab	Total
IT 501	IT Practicum (468 HRS.)	-	9		9
TOTAL					9

SUMMARY OF SUBJECT COURSES

GENERAL EDUCATION COURSES	36 UNITS
MANDATE COURSES	14 UNITS
COMMON COURSES	30 UNITS
INSTITUTIONAL COURSES	8 UNITS
PROFESSIONAL COURSES	51 UNITS
ITE ELECTIVE COURSES	15 UNITS
TOTAL	154 UNITS

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