



# Bachelor of Science in Information Technology (BSIT)

Information & Communications Technology



# Bachelor of Science in Information Technology (BSIT)



BSIT-24-01

Designed to provide a broad understanding of information and communication technology, our BSIT program delivers an innovative education that equips students with practical knowledge and real-life skills to adapt in a rapidly evolving ICT-driven world.

Grasp various technical expertise from cloud computing, mobile & web development, cybersecurity, user experience design to information management, and get industry-standard certifications from our global partners including Huawei, Microsoft, and Oracle to name a few.

COURSE CODE	FIRST YEAR - FIRST TERM	UNITS	PRE-REQUISITE(S)
CITE1004	Introduction to Computing	3	
CITE1003	Computer Programming 1	3	
GEDC1002	The Contemporary World	3	
STIC1002	Euthenics 1	1	
GEDC1016	Purposive Communication	3	
NSTP1008	National Service Training Program 1	3	
PHED1005	P.E./PATHFIT 1: Movement Competency Training	2	
GEDC1041	Philippine Popular Culture	3	
GEDC1008	Understanding the Self	3	
	<b>TOTAL</b>	<b>24</b>	

COURSE CODE	FIRST YEAR - SECOND TERM	UNITS	PRE-REQUISITE(S)
CITE1006	Computer Programming 2	3	CITE1003
COSC1002	Discrete Structures 1 (Discrete Mathematics)	3	
GEDC1010	Art Appreciation	3	
NSTP1010	National Service Training Program 2	3	
PHED1006	P.E./PATHFIT 2: Exercise-based Fitness Activities	2	PHED1005
GEDC1005	Mathematics in the Modern World	3	
GEDC1013	Science, Technology, and Society	3	
GEDC1009	Ethics	3	
INTE1006	Systems Administration and Maintenance	3	
	<b>TOTAL</b>	<b>26</b>	

<b>COURSE CODE</b>	<b>SECOND YEAR - FIRST TERM</b>	<b>UNITS</b>	<b>PRE- REQUISITE(S)</b>
COSC1003	Data Structures and Algorithms	3	CITE1006
GEDC1006	Readings in Philippine History	3	
PHED1007	P.E./PATHFIT 3: Individual-Dual Sports	2	PHED1006
GEDC1014	Rizal's Life and Works	3	
COSC1007	Human-Computer Interaction	3	CITE1004
INTE1015	IT Elective 1	3	
COSC1001	Principles of Communication	3	
COSC1008	Platform Technology (Operating Systems)	3	
	<b>TOTAL</b>	<b>23</b>	

<b>COURSE CODE</b>	<b>SECOND YEAR - SECOND TERM</b>	<b>UNITS</b>	<b>PRE- REQUISITE(S)</b>
CITE1011	Information Management	3	COSC1003
GEDC1003	The Entrepreneurial Mind	3	
PHED1008	P.E./PATHFIT 4: Team Sports	2	PHED1005& PHED1006
INTE1005	Network Technology 1	3	CITE1004
INTE1020	Quantitative Methods	3	COSC1002
BUSS1013	Technopreneurship	3	PHED1001
INTE1021	Systems Integration and Architecture	3	
INTE1010	Integrative Programming	3	CITE1006
	<b>TOTAL</b>	<b>23</b>	

<b>COURSE CODE</b>	<b>THIRD YEAR - FIRST TERM</b>	<b>UNITS</b>	<b>PRE- REQUISITE(S)</b>
CITE1008	Application Development and Emerging Technologies	3	CITE1006
INSY1011	Advanced Database Systems	3	CITE1011
INTE1024	Event-Driven Programming	3	INTE1010
INTE1025	Data and Digital Communications (Data Communications)	3	COSC1001
INSY1003	Professional Issues in Information Systems and Technology	3	CITE1004
	IT Elective 2	3	3rd year standing
INTE1056	Advanced Systems Integration and Architecture	3	INTE1021
	<b>TOTAL</b>	<b>21</b>	

<b>COURSE CODE</b>	<b>THIRD YEAR - SECOND TERM</b>	<b>UNITS</b>	<b>PRE- REQUISITE(S)</b>
INTE1083	Web Systems and Technologies	3	CITE1008
INSY1007	Management Information Systems	3	
INTE1031	IT Capstone Project 1	3	INSY1011
GEDC1045	Great Books	3	
INTE1027	IT Elective 3	3	3rd year standing
INTE1084	Mobile Systems and Technologies	3	CITE1008
INSY1010	Information Assurance and Security (Cybersecurity Fundamentals)	3	CITE1011
	<b>TOTAL</b>	<b>21</b>	



<b>COURSE CODE</b>	<b>FOURTH YEAR - FIRST TERM</b>	<b>UNITS</b>	<b>PRE-REQUISITE(S)</b>
STIC1007	Euthenics 2	1	STIC1002
INTE1039	IT Capstone Project 2	3	INTE1031
INTE1040	IT Elective 4	3	4th year standing
INTE1041	Computer Graphics Programming	3	CITE1006
INTE1013	IT Service Management	3	
INSY1005	Information Assurance and Security (Data Privacy)	3	INSY1010
INTE1030	Network Technology 2	3	INTE1005
	<b>TOTAL</b>	<b>19</b>	

<b>COURSE CODE</b>	<b>FOURTH YEAR - SECOND TERM</b>	<b>UNITS</b>	<b>PRE-REQUISITE(S)</b>
INTE1043	IT Practicum (486 hours)	9	Candidate for Graduation
	<b>TOTAL</b>	<b>9</b>	

<b>COURSE CODE</b>	<b>LIST OF ELECTIVES</b>	<b>UNITS</b>	<b>PRE-REQUISITE(S)</b>
	Application Development		
INTE1044	Object-Oriented Programming	3	CITE1006
INTE1086	Enterprise Architecture	3	INTE1044
INTE1085	Programming Languages	3	INTE1086
INTE1050	Game Development	3	INTE1085
	Graphics Technology		
INTE1047	Introduction to Digital Graphics Design	3	CITE1006
INTE1048	Introduction to Computer Animation	3	INTE1047
INTE1054	Advanced Digital Graphics Design	3	INTE1048
INTE1055	Advanced Computer Animation	3	INTE1054
	Platform Integration		
INTE1051	Computer Systems Architecture	3	CITE1006
ENGR1035	Robot Dynamics Fundamentals	3	INTE1051
INTE1049	Intermediate Human-Computer Interaction	3	ENGR1035
ENGR1037	Robot Assembly and Programming	3	INTE1049
	<b>TOTAL</b>	<b>36</b>	

\*Should be based on the chosen Training Program (LITRSE1, LITRSE2, CIWETS1, CIWETS2, ROTCOR1, ROTCOR2)

Note: Elective Courses have respective pre-requisite courses specified in the List of Electives.



## Program Outcomes

- Apply knowledge of computing, science, and mathematics appropriate to the discipline
- Understand best practices and standards and their applications
- Analyze complex problems, and identify and define the computing requirements appropriate to its solution
- Identify and analyze user needs and take them into account in the selection, creation, evaluation, and administration of computer-based systems
- Design, implement, and evaluate computer-based systems, processes, components, or programs to meet desired needs and requirements under various constraints
- Integrate IT-based solutions into the user environment effectively
- Apply knowledge through the use of current techniques, skills, tools, and practices necessary for the IT profession

## **Career Opportunities**

- Web and Mobile Applications Developer
- Database Administrator
- Systems Administrator
- Network Engineer
- Information Security Administrator
- Systems Integration Personnel
- IT Audit Personnel
- Technical Support Specialist
- Quality Assurance Specialist
- IT Project Manager
- Software Engineer
- Business Applications Developer/Programmer
- Systems Analyst
- Systems Support Specialist
- Computer Programmer

# **Admission Requirements**

## **Incoming Freshman**

- Original Form 138 / SF9-SHS (Learner's Progress Report Card)
- Original Form 137-A / SF10-SHS (Learner's Permanent Academic Record)
- PSA-issued Birth Certificate
- Original Copy of Certificate of Good Moral Character or Recommendation from the Dean/Program or Department Head
- Medical certificate of Chest X-ray results
- Medical certificate of Hepatitis A & B Screening for BSHM, BSCM, HRA, DHRT, and HRS

## **Transferees (STI or Non-STI Students)**

- Certificate of Transfer (Honorable Dismissal)
- Official Transcript of Records
- PSA-issued Birth Certificate
- Original Copy of Certificate of Good Moral Character or Recommendation from the Dean/Program or Department Head
- Medical certificate of Chest X-ray results
- Medical certificate of Hepatitis A & B Screening for BSHM, BSCM, HRA, DHRT, and HRS