BACHELOR OF SCIENCE IN

Information Technology

The BS Information Technology program empowers graduates with top-notch technical, management, and soft skills. You will be empowered to analyze requirements, build information systems, deploy integrated systems, and oversee computing solutions within organizations.

BACHELOR OF SCIENCE IN

Information Technology Curriculum

A Bachelor's Degree in Information Technology from Mapúa Malayan Digital College trains you in the study of computer software and hardware to provide effective and efficient tech solutions. The program develops not just technical skills, but also the ability to manage projects and people. You will also be trained in the most practiced fields of IT and land a career in Software Development, Network & Cybersecurity, Data Analytics, Marketing Technology, and Entrepreneurship Technology.

This will be your journey
from 0 to Career-Ready for the next 4 years!

- Number of hours: **7.5 hours per week**
- **9 units Internship**
- Total number of units: **155 units**
- Duration: **3.5 years, trimestral**

Year 1 ⟶ Year 2 ⟶ Year 3 ⟶ Year 4 ⟶

I will build holistic, fundamental abilities, and soft skills that will serve as a solid foundation for growth in my field of study

I will gain exposure to the various specializations in my degree to understand their characteristics, and help me make an informed decision on which best fits my interests and capabilities

I will begin focusing on my area of specialization to develop deeper, more nuanced capability and expertise

I will gain exposure to, and undergo rigorous preparation for industries

Choose your Information Technology Specialization

Be an expert in one of the three most practiced fields in IT.

DEVELOPMENT-FOCUSED PROGRAMS

Software Development

Network & Cybersecurity

BUSINESS-FOCUSED PROGRAMS

Data Analytics

Marketing Technology

Entrepreneurship Technology

BS Information Technology | Specialization in

Software Development

If you dream of building your own app, our Software Development major will be perfect for you. Once you graduate, you'll be proficient in different programming languages and software development, testing, debugging, and software deployment.

YOUR FUTURE CAREER OPTIONS IN **SOFTWARE DEVELOPMENT**

Technical Support
₱40,000 - ₱90,000*

Be the go-to expert for solving tech challenges with finesse and delivering top-notch support.

QA Analyst
₱50,000 - ₱100,000*

Become the guardian of quality in the digital realm, ensuring flawless user experiences and delivering products that exceed expectations.

Senior Software Engineer
₱60,000 - ₱120,000*

Lead the development of groundbreaking software solutions and drive technological innovation with your expertise.

Mobile Application Developer
₱60,000 - ₱130,000*

Craft immersive mobile experiences that captivate users and revolutionize the way we live, work, and play on the go.

These monthly salary ranges are approximates, and can fluctuate based on various factors such as the company's budget, the specific responsibilities of the role, and the candidate's level of expertise.

YOUR COURSES IN THE NEXT 4 YEARS

FIRST YEAR | 1ST TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-ENG039	Language and Communication	Lec	None	(3)
MO-MATH034	College Logic and Math	Lec	None	(3)
MO-SS033	The Contemporary World	Lec	None	3
MO-SS031	Understanding the Self	Lec	None	3
MO-PE011	PE1	LFD	None	2
MO-HUM080	Philippine Popular Culture	Lec	None	3
TOTAL				11

FIRST YEAR | 2ND TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-MATH035	Math in the Modern World	Lec	None	3
MO-ENG040	Purposive Communication	Lec	None	3
MO-IT100	Introduction to Computing	Lec	None	3
MO-IT101	Computer Programming 1	Lec/Lab	None	3

FIRST YEAR | 2ND TERM - CONTINUATION

MO-PE012	PE2	LFD	None	2
MO-NSTP021	NSTP1	Lec	None	3
TOTAL				17

FIRST YEAR | 3RD TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-HUM034	Art Appreciation	Lec	None	3
MO-HUM039	Ethics	Lec	None	3
MO-IT103	Computer Programming 2	Lec/Lab	MO-IT101	3
MO-PE013	PE3	LFD	None	2
MO-NSTP022	NSTP2	Lec	MO-NSTP021	3
MO-IT108	Discrete Structures	Lec	None	3
TOTAL				17

SECOND YEAR | 1ST TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-SS036	Science, Technology, and Society	Lec	None	3
MO-ENV076	People and Earth's Ecosystems	Lec	None	3
MO-IT104	Computer Networks	Lec/Lab	MO-IT101	3
MO-IT105	Human-Computer Interaction	Lec/Lab	None	3
MO-IT106	Data Analytics Fundamentals	Lec/Lab	MO-IT103	3
MO-PE014	PE4	LFD	None	2
TOTAL				17

SECOND YEAR | 2ND TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT102	Data Structures and Algorithms	Lec/Lab	MO-IT103	3
MO-SS032	Readings in Philippine History	Lec	None	3
MO-IT107	Information Management	Lec/Lab	MO-IT101	3
MO-IT109	Cybersecurity Fundamentals	Lec/Lab	MO-IT104	3
MO-IT110	Object-oriented Programming	Lec/Lab	MO-IT102	3
TOTAL				15

SECOND YEAR | 3RD TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-SS041	The Life and Works of Rizal	Lec	None	3
MO-SS086	Gender and Society	Lec	None	3
MO-IT111	Database Principles and Applications	Lec/Lab	MO-IT107	3
MO-IT112	Technical Support	Lec	MO-IT104	3
MO-IT113	Advanced Object-oriented Programming	Lec/Lab	MO-IT110	3
TOTAL				15

THIRD YEAR | 1ST TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT159	Entrepreneurship Management	Lec/Lab	None	3
MO-IT115	Object-oriented System Analysis and Design	Lec	MO-IT107	3
MO-IT117	Data Visualization Techniques	Lec	None	3
MO-IT120	Web Systems and Technology	Lec/Lab	MO-IT102	3
MO-IT150	Social and Professional Issues	Lec	None	3
TOTAL				15

THIRD YEAR | 2ND TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT155	CRM and Enterprise Technology	Lec/Lab	None	3
MO-IT121	Technopreneurship	Lec	None	3
MO-IT152	Integrative Programming and Technologies	Lec/Lab	None	3
MO-IT124	System Integration and Architecture	Lec	None	3
MO-IT118	Cloud Computing	Lec	MO-IT102	3
TOTAL				15

THIRD YEAR | 3RD TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT156	E-commerce and Internet Marketing	Lec	None	3
MO-IT147	Information Assurance and Security 1	Lec	None	3
MO-IT200D1	Capstone 1	Paired	None	3
MO-IT148	Applications Development and Emerging Technologies	Lec	MO-IT102	3
MO-IT151	Platform Technologies	Lec	None	3
TOTAL				15

FOURTH YEAR | 1ST TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT123	System Administration and Maintenance	Lec/Lab	MO-IT104	3
MO-IT200D2	Capstone 2	Paired	MO-IT200D1	3
MO-IT153	Information Assurance and Security 2	Lec/Lab	MO-IT147	3
TOTAL				9

FOURTH YEAR | 2ND TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT199	IT Practicum/PEP	LFD	None	9
TOTAL				9

TOTAL NUMBER OF UNITS				155

BS Information Technology | Specialization in
Network & Cybersecurity

Imagine yourself being a company's first line of defense in tech. Our Network & Cybersecurity specialization provides students with an in-depth understanding and skills on cybersecurity standards, protocols, and frameworks. Learn the technical skills needed to support network operations administration, and monitoring and maintenance of cybersecurity systems and applications.

YOUR FUTURE CAREER OPTIONS IN **NETWORK & CYBERSECURITY**

Technical Support
₱40,000 - ₱90,000*

Be the go-to expert for solving tech challenges with finesse and delivering top-notch support.

QA Analyst
₱50,000 - ₱100,000*

Become the guardian of quality in the digital realm, ensuring flawless user experiences and delivering products that exceed expectations.

Senior Software Engineer
₱60,000 - ₱120,000*

Lead the development of groundbreaking software solutions and drive technological innovation with your expertise.

Mobile Application Developer
₱60,000 - ₱130,000*

Craft immersive mobile experiences that captivate users and revolutionize the way we live, work, and play on the go.

These monthly salary ranges are approximates, and can fluctuate based on various factors such as the company's budget, the specific responsibilities of the role, and the candidate's level of expertise.

YOUR COURSES IN THE NEXT 4 YEARS

FIRST YEAR | 1ST TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-ENG039	Language and Communication	Lec	None	(3)
MO-MATH034	College Logic and Math	Lec	None	(3)
MO-SS033	The Contemporary World	Lec	None	3
MO-SS031	Understanding the Self	Lec	None	3
MO-PE011	PE1	LFD	None	2
MO-HUM080	Philippine Popular Culture	Lec	None	3
TOTAL				11

FIRST YEAR | 2ND TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-MATH035	Math in the Modern World	Lec	None	3
MO-ENG040	Purposive Communication	Lec	None	3
MO-IT100	Introduction to Computing	Lec	None	3

FIRST YEAR | 2ND TERM - CONTINUATION

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT101	Computer Programming 1	Lec/Lab	None	3
MO-PE012	PE2	LFD	None	2
MO-NSTP021	NSTP1	Lec	None	3
TOTAL				17

FIRST YEAR | 3RD TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-HUM034	Art Appreciation	Lec	None	3
MO-HUM039	Ethics	Lec	None	3
MO-IT103	Computer Programming 2	Lec/Lab	MO-IT101	3
MO-PE013	PE3	LFD	None	2
MO-NSTP022	NSTP2	Lec	MO-NSTP021	3
MO-IT108	Discrete Structures	Lec	None	3
TOTAL				17

SECOND YEAR | 1ST TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-SS036	Science, Technology, and Society	Lec	None	3
MO-IT104	Computer Networks	Lec/Lab	MO-IT101	3
MO-IT105	Human-Computer Interaction	Lec/Lab	None	3
MO-IT106	Data Analytics Fundamentals	Lec/Lab	MO-IT103	3
MO-ENV076	People and Earth's Ecosystems	Lec	None	3
MO-PE014	PE4	LFD	None	2
TOTAL				17

SECOND YEAR | 2ND TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT102	Data Structures and Algorithms	Lec/Lab	MO-IT103	3
MO-SS032	Readings in Philippine History	Lec	None	3
MO-IT107	Information Management	Lec/Lab	MO-IT101	3
MO-IT109	Cybersecurity Fundamentals	Lec/Lab	MO-IT104	3
MO-IT110	Object-oriented Programming	Lec/Lab	MO-IT102	3
TOTAL				15

SECOND YEAR | 3RD TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-SS041	The Life and Works of Rizal	Lec	None	3
MO-IT111	Database Principles and Applications	Lec/Lab	MO-IT107	3
MO-IT112	Technical Support	Lec	MO-IT104	3
MO-IT113	Advanced Object-oriented Programming	Lec/Lab	MO-IT110	3
MO-SS041	The Life and Works of Rizal	Lec	None	3
TOTAL				15

THIRD YEAR | 1ST TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT139	Scaling Networks	Lec/Lab	MO-IT138	3
MO-IT115	Object-oriented System Analysis and Design	Lec	MO-IT107	3
MO-IT120	Web Systems and Technology	Lec/Lab	MO-IT102	3
MO-IT150	Social and Professional Issues	Lec	None	3
MO-IT117	Data Visualization Techniques	Lec	None	3
TOTAL				15

THIRD YEAR | 2ND TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT118	Cloud Computing	Lec	MO-IT102	3
MO-IT142	Security Script Programming	Lec/Lab	MO-IT110	3
MO-SS086	Gender and Society	Lec	None	3
MO-IT124	System Integration and Architecture	Lec	None	3
MO-IT152	Integrative Programming and Technologies	Lec/Lab	None	3
TOTAL				15

THIRD YEAR | 3RD TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT143	Ethical Hacking	Lec/Lab	None	3
MO-IT200D1	Capstone 1	Paired	None	3
MO-IT148	Applications Development and Emerging Technologies	Lec	MO-IT102	3
MO-IT147	Information Assurance and Security 1	Lec	None	3
MO-IT151	Platform Technologies	Lec	None	3
TOTAL				15

FOURTH YEAR | 1ST TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT123	Systems Administration and Maintenance	Lec/Lab	MO-IT104	3
MO-IT200D2	Capstone 2	Paired	MO-IT200D1	3
MO-IT153	Information Assurance and Security 2	Lec/Lab	MO-IT147	3
TOTAL				9

FOURTH YEAR | 2ND TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT199	IT Practicum/PEP	LFD	None	9
TOTAL				9

TOTAL NUMBER OF UNITS	155

BS Information Technology | Specialization in
Data Analytics

Are you detail-oriented with a passion for tech, numbers, and data? Then, specialize in Data Analytics. Develop skills in basic data cleaning and transformation, and data analysis that are necessary in supporting business and product decisions. Graduates from this specialization will be trained in using development tools to generate reports, dashboards, and analytical solutions according to business rules and specifications.

YOUR FUTURE CAREER OPTIONS IN DATA ANALYTICS

Associate Data Analyst
50,000 - ₱100,000*
Harness the power of data to unlock hidden insights and drive strategic decisions that propel businesses to new heights.

Social Media Analyst
₱50,000 - ₱100,000*
Become a digital trendsetter, decoding social media landscapes to craft strategies that captivate audiences and drive engagement.

Web Analyst
₱50,000 - ₱110,000*
Navigate the digital frontier with finesse, optimizing websites to deliver seamless user experiences and drive business success.

Associate Business Analyst
₱55,000 - ₱110,000*
Dive deep into the business world, uncovering opportunities for growth and innovation that shape the future of industries.

Associate Organizational Process Analyst
₱55,000 - ₱115,000*
Master the art of efficiency, transforming organizational processes to streamline operations and fuel productivity.

Sales Analyst
₱55,000 - ₱120,000*
Uncover the secrets to sales success, decoding data to drive revenue growth and steer businesses toward prosperity.

*These monthly salary ranges are approximates, and can fluctuate based on various factors such as the company's budget, the specific responsibilities of the role, and the candidate's level of expertise.

YOUR COURSES IN THE NEXT 4 YEARS

FIRST YEAR | 1ST TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-ENG039	Language and Communication	Lec	None	(3)
MO-MATH034	College Logic and Math	Lec	None	(3)
MO-SS033	The Contemporary World	Lec	None	3
MO-SS031	Understanding the Self	Lec	None	3
MO-PE011	PE1	LFD	None	2
MO-HUM080	Philippine Popular Culture	Lec	None	3
TOTAL				11

FIRST YEAR | 2ND TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-MATH035	Math in the Modern World	Lec	None	3
MO-ENG040	Purposive Communication	Lec	None	3

FIRST YEAR | 2ND TERM - CONTINUATION

MO-IT100	Introduction to Computing	Lec	None	3
MO-IT101	Computer Programming 1	Lec/Lab	None	3
MO-PE012	PE2	LFD	None	2
MO-NSTP021	NSTP1	Lec	None	3
TOTAL				17

FIRST YEAR | 3RD TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-HUM034	Art Appreciation	Lec	None	3
MO-HUM039	Ethics	Lec	None	3
MO-IT103	Computer Programming 2	Lec/Lab	MO-IT101	3
MO-PE013	PE3	LFD	None	2
MO-NSTP022	NSTP2	Lec	MO-NSTP021	3
MO-IT108	Discrete Structures	Lec	None	3
TOTAL				17

SECOND YEAR | 1ST TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-SS036	Science, Technology, and Society	Lec	None	3
MO-ENV076	People and Earth's Ecosystems	Lec	None	3
MO-IT104	Computer Networks	Lec/Lab	MO-IT101	3
MO-IT105	Human-Computer Interaction	Lec/Lab	None	3
MO-IT106	Data Analytics Fundamentals	Lec/Lab	MO-IT103	3
MO-PE014	PE4	LFD	None	2
TOTAL				17

SECOND YEAR | 2ND TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT102	Data Structures and Algorithms	Lec/Lab	MO-IT103	3
MO-SS032	Readings in Philippine History	Lec	None	3
MO-IT107	Information Management	Lec/Lab	MO-IT101	3
MO-IT109	Cybersecurity Fundamentals	Lec/Lab	MO-IT104	3
MO-IT110	Object-oriented Programming	Lec/Lab	MO-IT102	3
TOTAL				15

SECOND YEAR | 3RD TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-SS041	The Life and Works of Rizal	Lec	None	3
MO-SS086	Gender and Society	Lec	None	3
MO-IT111	Database Principles and Applications	Lec/Lab	MO-IT107	3
MO-IT112	Technical Support	Lec	MO-IT104	3

SECOND YEAR | 3ᴿᴰ TERM - CONTINUATION

MO-IT113	Advanced Object-oriented Programming	Lec/Lab	MO-IT110	3
TOTAL				15

THIRD YEAR | 1ˢᵀ TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT125	Math for Machine Learning: Linear Algebra	Lec/Lab	None	3
MO-IT115	Object-oriented System Analysis and Design	Lec	MO-IT107	3
MO-IT117	Data Visualization Techniques	Lec	None	3
MO-IT120	Web Systems and Technology	Lec/Lab	MO-IT102	3
MO-IT150	Social and Professional Issues	Lec	None	3
TOTAL				15

THIRD YEAR | 2ᴺᴰ TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT128	Data Mining Principles	Lec/Lab	None	3
MO-IT134	Machine Learning and Predictive Analytics	Lec/Lab	None	3
MO-IT152	Integrative Programming and Technologies	Lec/Lab	None	3
MO-IT124	System Integration and Architecture	Lec	None	3
MO-IT118	Cloud Computing	Lec	MO-IT102	3
TOTAL				15

THIRD YEAR | 3ᴿᴰ TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT129	Statistical Analysis	Lec/Lab	None	3
MO-IT147	Information Assurance and Security 1	Lec	None	3
MO-IT200D1	Capstone 1	Paired	None	3
MO-IT148	Applications Development and Emerging Technologies	Lec	MO-IT102	3
MO-IT151	Platform Technologies	Lec	None	3
TOTAL				15

FOURTH YEAR | 1ˢᵀ TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT123	System Administration and Maintenance	Lec/Lab	MO-IT104	3
MO-IT200D2	Capstone 2	Paired	MO-IT200D1	3
MO-IT153	Information Assurance and Security 2	Lec/Lab	MO-IT147	3
TOTAL				9

FOURTH YEAR | 2ᴺᴰ TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT199	IT Practicum/PEP	LFD	None	9
TOTAL				9

TOTAL NUMBER OF UNITS	155

BS Information Technology | Specialization in

Marketing Technology

In Marketing Technology, you'll harness the power of cutting-edge tools to supercharge your marketing efforts. From analytics to targeted advertising, to the latest online platforms, you'll learn how to reach your audience effectively. Elevate your brand, and gain the edge you need to succeed in today's competitive landscape.

YOUR FUTURE CAREER OPTIONS IN MARKETING TECHNOLOGY

Digital Marketing Specialist
₱50,000 - ₱100,000*

Amplify marketing campaigns with the sharpened skills and new experience gained after being exposed to key tools for e-commerce and marketing.

Social Media Manager
₱50,000 - ₱120,000*

Take the lead and be confident in creating social media strategies in various platforms that will lead to a brand's success.

SEO Specialist
₱50,000 - ₱120,000*

Build awareness for brands to reach a wider demographic and implement strategies that will make them top of mind.

Content Marketing Manager
₱60,000 - ₱150,000*

Manage and produce creative content to boost brand's presence online and offline as you increase awareness and engagement for current and potential customers.

These monthly salary ranges are approximates, and can fluctuate based on various factors such as the company's budget, the specific responsibilities of the role, and the candidate's level of expertise.

YOUR COURSES IN THE NEXT 4 YEARS

FIRST YEAR | 1ST TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-ENG039	Language and Communication	Lec	None	(3)
MO-MATH034	College Logic and Math	Lec	None	(3)
MO-SS033	The Contemporary World	Lec	None	3
MO-SS031	Understanding the Self	Lec	None	3
MO-PE011	PE1	LFD	None	2
MO-HUM080	Philippine Popular Culture	Lec	None	3
TOTAL				11

FIRST YEAR | 2ND TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-MATH035	Math in the Modern World	Lec	None	3
MO-ENG040	Purposive Communication	Lec	None	3
MO-IT100	Introduction to Computing	Lec	None	3
MO-IT101	Computer Programming 1	Lec/Lab	None	3

FIRST YEAR | 2ND TERM - CONTINUATION

MO-PE012	PE2	LFD	None	2
MO-NSTP021	NSTP1	Lec	None	3
TOTAL				17

FIRST YEAR | 3RD TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-HUM034	Art Appreciation	Lec	None	3
MO-HUM039	Ethics	Lec	None	3
MO-IT103	Computer Programming 2	Lec/Lab	MO-IT101	3
MO-PE013	PE3	LFD	None	2
MO-NSTP022	NSTP2	Lec	MO-NSTP021	3
MO-IT108	Discrete Structures	Lec	None	3
TOTAL				17

SECOND YEAR | 1ST TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-SS036	Science, Technology, and Society	Lec	None	3
MO-ENV076	People and Earth's Ecosystems	Lec	None	3
MO-IT104	Computer Networks	Lec/Lab	MO-IT101	3
MO-IT105	Human-Computer Interaction	Lec/Lab	None	3
MO-IT106	Data Analytics Fundamentals	Lec/Lab	MO-IT103	3
MO-PE014	PE4	LFD	None	2
TOTAL				17

SECOND YEAR | 2ND TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT102	Data Structures and Algorithms	Lec/Lab	MO-IT103	3
MO-SS032	Readings in Philippine History	Lec	None	3
MO-IT107	Information Management	Lec/Lab	MO-IT101	3
MO-IT109	Cybersecurity Fundamentals	Lec/Lab	MO-IT104	3
MO-IT110	Object-oriented Programming	Lec/Lab	MO-IT102	3
TOTAL				15

SECOND YEAR | 3RD TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-SS041	The Life and Works of Rizal	Lec	None	3
MO-SS086	Gender and Society	Lec	None	3
MO-IT111	Database Principles and Applications	Lec/Lab	MO-IT107	3
MO-IT112	Technical Support	Lec	MO-IT104	3
MO-IT113	Advanced Object-oriented Programming	Lec/Lab	MO-IT110	3
TOTAL				15

THIRD YEAR | 1ST TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT154	Business Intelligence and Analytics	Lec/Lab	None	3
MO-IT115	Object-oriented System Analysis and Design	Lec	MO-IT107	3
MO-IT157	Online Advertising Platforms	Lec	None	3
MO-IT117	Data Visualization Techniques	Lec	None	3
MO-IT150	Social and Professional Issues	Lec	None	3
TOTAL				15

THIRD YEAR | 2ND TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT158	Social Media Advertising	Lec	None	3
MO-IT159	Web Systems and Technology	Lec/Lab	MO-IT102	3
MO-IT160	Integrative Programming and Technologies	Lec/Lab	None	3
MO-IT161	System Integration and Architecture	Lec	None	3
MO-IT162	Cloud Computing	Lec	MO-IT102	3
TOTAL				15

THIRD YEAR | 3RD TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT160	Next-Gen Digital Advertising	Lec	None	3
MO-IT147	Information Assurance and Security 1	Lec	None	3
MO-IT200D1	Capstone 1	Paired	None	3
MO-IT148	Applications Development and Emerging Technologies	Lec	MO-IT102	3
MO-IT151	Platform Technologies	Lec	None	3
TOTAL				15

FOURTH YEAR | 1ST TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT123	System Administration and Maintenance	Lec/Lab	MO-IT104	3
MO-IT200D2	Capstone 2	Paired	MO-IT200D1	3
MO-IT153	Information Assurance and Security 2	Lec/Lab	MO-IT147	3
TOTAL				9

FOURTH YEAR | 2ND TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT199	IT Practicum/PEP	LFD	None	9
TOTAL				9

TOTAL NUMBER OF UNITS		155

BS Information Technology | Specialization in
Entreprenuership Technology

In Entrepreneurship Technology, you'll learn how to leverage the most common technology platforms entrepreneurs use to drive success. Dive into key tools for e-commerce and marketing, and explore the principles related to the entrepreneurial process, particularly with the field of IT. This specialization will help you gain the expertise needed to thrive in the digital landscape of modern entrepreneurship.

YOUR FUTURE CAREER OPTIONS IN **ENTREPRENEURSHIP TECHNOLOGY**

Product Manager (Tech Startup)
₱60,000 - ₱150,000*

Shape the future of cutting-edge tech products, driving innovation and market success in a dynamic startup environment.

Innovation Strategist
₱80,000 - ₱180,000*

Lead the charge in transforming industries with your visionary strategies, pioneering breakthroughs, and driving competitive advantage.

Tech Entrepreneur
Varying salaries based on the success of your business and the growth of your ventures. This could go up to millions of pesos per year.

Ignite your entrepreneurial spirit and blaze new trails in the tech world, building revolutionary businesses from the ground up.

*These monthly salary ranges are approximates, and can fluctuate based on various factors such as the company's budget, the specific responsibilities of the role, and the candidate's level of expertise.

YOUR COURSES IN THE NEXT 4 YEARS

FIRST YEAR | 1ST TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-ENG039	Language and Communication	Lec	None	(3)
MO-MATH034	College Logic and Math	Lec	None	(3)
MO-SS033	The Contemporary World	Lec	None	3
MO-SS031	Understanding the Self	Lec	None	3
MO-PE011	PE1	LFD	None	2
MO-HUM080	Philippine Popular Culture	Lec	None	3
TOTAL				11

FIRST YEAR | 2ND TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-MATH035	Math in the Modern World	Lec	None	3
MO-ENG040	Purposive Communication	Lec	None	3
MO-IT100	Introduction to Computing	Lec	None	3

FIRST YEAR | 2ND TERM - CONTINUATION

MO-IT101	Computer Programming 1	Lec/Lab	None	3
MO-PE012	PE2	LFD	None	2
MO-NSTP021	NSTP1	Lec	None	3
TOTAL				17

FIRST YEAR | 3RD TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-HUM034	Art Appreciation	Lec	None	3
MO-HUM039	Ethics	Lec	None	3
MO-IT103	Computer Programming 2	Lec/Lab	MO-IT101	3
MO-PE013	PE3	LFD	None	2
MO-NSTP022	NSTP2	Lec	MO-NSTP021	3
MO-IT108	Discrete Structures	Lec	None	3
TOTAL				17

SECOND YEAR | 1ST TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-SS036	Science, Technology, and Society	Lec	None	3
MO-ENV076	People and Earth's Ecosystems	Lec	None	3
MO-IT104	Computer Networks	Lec/Lab	MO-IT101	3
MO-IT105	Human-Computer Interaction	Lec/Lab	None	3
MO-IT106	Data Analytics Fundamentals	Lec/Lab	MO-IT103	3
MO-PE014	PE4	LFD	None	2
TOTAL				17

SECOND YEAR | 2ND TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT102	Data Structures and Algorithms	Lec/Lab	MO-IT103	3
MO-SS032	Readings in Philippine History	Lec	None	3
MO-IT107	Information Management	Lec/Lab	MO-IT101	3
MO-IT109	Cybersecurity Fundamentals	Lec/Lab	MO-IT104	3
MO-IT110	Object-oriented Programming	Lec/Lab	MO-IT102	3
TOTAL				15

SECOND YEAR | 3RD TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-SS041	The Life and Works of Rizal	Lec	None	3
MO-SS086	Gender and Society	Lec	None	3
MO-IT111	Database Principles and Applications	Lec/Lab	MO-IT107	3
MO-IT112	Technical Support	Lec	MO-IT104	3
MO-IT113	Advanced Object-oriented Programming	Lec/Lab	MO-IT110	3
TOTAL				15

THIRD YEAR | 1ST TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT159	Entrepreneurship Management	Lec/Lab	None	3
MO-IT115	Object-oriented System Analysis and Design	Lec	MO-IT107	3
MO-IT117	Data Visualization Techniques	Lec	None	3
MO-IT120	Web Systems and Technology	Lec/Lab	MO-IT102	3
MO-IT150	Social and Professional Issues	Lec	None	3
TOTAL				15

THIRD YEAR | 2ND TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT155	CRM and Enterprise Technology	Lec/Lab	None	3
MO-IT121	Technopreneurship	Lec	None	3
MO-IT152	Integrative Programming and Technologies	Lec/Lab	None	3
MO-IT124	System Integration and Architecture	Lec	None	3
MO-IT118	Cloud Computing	Lec	MO-IT102	3
TOTAL				15

THIRD YEAR | 3RD TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT156	E-commerce and Internet Marketing	Lec	None	3
MO-IT147	Information Assurance and Security 1	Lec	None	3
MO-IT200D1	Capstone 1	Paired	None	3
MO-IT148	Applications Development and Emerging Technologies	Lec	MO-IT102	3
MO-IT151	Platform Technologies	Lec	None	3
TOTAL				15

FOURTH YEAR | 1ST TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT123	System Administration and Maintenance	Lec/Lab	MO-IT104	3
MO-IT200D2	Capstone 2	Paired	MO-IT200D1	3
MO-IT153	Information Assurance and Security 2	Lec/Lab	MO-IT147	3
TOTAL				9

FOURTH YEAR | 2ND TERM

COURSE CODE	COURSE TITLE	TYPE	PREREQUISITE	UNITS
MO-IT199	IT Practicum/PEP	LFD	None	9
TOTAL				9

TOTAL NUMBER OF UNITS				155

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