

## ABOUT UNIVERSITI POLY-TECH MALAYSIA

**Universiti Poly-Tech Malaysia, also known as UPTM**, is an institution of higher learning has built itself upon years of continuous improvements and change leading to a wealth of experience and wisdom.

At UPTM, the focus is on providing a comprehensive education that goes beyond theoretical knowledge to include the development of essential human attributes, attitude, and aptitude. The university's committed educators work tirelessly to ensure that every student receives personalised attention and support that enables them to realise their full potential.

UPTM's curriculum is anchored in contemporary technologies and business education, offering students a wide range of innovative courses that challenge and stimulate their skills and expertise essential for them to thrive in the fast-paced world of business. It is important to note that Poly-Tech, in this context, refers to the incorporation of cutting-edge technologies into business education, and should not be confused with technical or vocational education.

On the overall, the university's emphasis is on producing graduates who are not only highly skilled and knowledgeable, but also possess the essential qualities of professionalism, ethical responsibility, and social awareness. With its unwavering commitment to academic excellence, UPTM stands out as an institution of higher learning that prepares students for successful careers and meaningful lives.

## **VISION**

To become a university of choice in nurturing professionals impacting the nation.

## **MISSION**

- Develop ethical, holistic and balanced professional
- To utilize knowledge and innovative contemporary technologies to contribute towards the development of the nation.

## **MOTTO**

Trusted ● Caring ● Resilient ● Respected

## **OBJECTIVES**

- To provide opportunities to pursue professionally recognised programmes.
- To provide vibrant and invitational programmes relevant to current market needs and customers' demands.
- To design programmes that inculcate graduates' synergetic talents.
- To ensure that graduates are adequately prepared for the local and global workforce.
- To establish human resource development programmes as tool for assimilating the value of society.
- To establish a distinctive and accountable centre of excellence in managing research, consultation and services.

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## MESSAGE FROM THE PRESIDENT

I am honored to welcome you to the University Poly-Tech Malaysia (UPTM), an esteemed academic institution based at the heart of the capital city of Malaysia. As the President of UPTM, I am excited to invite you to join our community of scholars, where you will have the opportunity to develop into ethical, holistic, and balanced professionals who can impact the nation positively.

UPTM has undergone a remarkable transformation from a college to a university college and now a full-fledged university. This growth is a testament of our commitment to academic excellence and our dedication in providing a conducive learning environment. Our vision is to become a university of choice in nurturing professionals who can make a difference in society. We aim to achieve this by providing our students with the necessary skills, knowledge, and values to excel in their chosen fields.

At UPTM, our mission is to develop ethical, holistic, and balanced professionals who can contribute to the development of the nation using knowledge and innovative contemporary technologies. We strive to ensure that our graduates possess the necessary skills to thrive in a competitive global environment. Our curriculum is designed to challenge our students while also nurturing their intellectual curiosity.

Our university's core values are based on trust, care, resilience, and respect, which guide us in all our interactions with students, faculty, and staff. We pride ourselves on our inclusivity, diversity, and the community of scholars that we have built over the years. We are confident that you will find a home at UPTM, where you can grow and learn alongside other ambitious students.

I welcome you to explore our website and learn more about UPTM. Our dedicated faculty and staff are always to answer any questions you may have about our programs, admissions process, or campus life. We hope to hear from you soon and look forward to welcoming you to our university.

Sincerely,

**President**

University Poly-Tech Malaysia

## INTRODUCTION

The Bachelor of Information Technology (Honours) in Computer Application Development is a homegrown degree program specifically designed to deliver a suitable level of theoretical and practical understanding in information technology and software engineering that are useful in the workplace. Its first intake was in January 2020 and has achieved full accreditation from the Malaysian Qualifications Agency (MQA) in May 2022.

This programme consists of various Body of Knowledge in Information Technology and offers courses such as advanced object-oriented programming, mobile applications development, advanced application development, enterprise application development, software testing and quality assurance, introduction to data analytics, business information management strategy, integrated marketing communication, entrepreneurship, final year project and industrial training. Students learn to design, develop, implement and integrate various computer applications development using latest technology through a mix of theoretical and hands-on activities.

At the end of the program, graduates should be able to demonstrate specific skills in the areas of information technology and software engineering as well as apply their knowledge and skills to solve problems and make decisions in fast growing information technology field.

This programme is suitable for those who are interested in working with the government or private sectors as software engineer, web/mobile developer, system analyst, data analyst, quality analyst, software quality assurance engineer, information technology consultant or senior IT auditor.

Graduates can also further their study at master level in local or private higher institutions in specific field such as Software Engineering, Information Science, Computer Science or Business Information Technology.

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## PROGRAMME INFORMATION

1. Programme Title : BACHELOR OF INFORMATION TECHNOLOGY (HONOURS) IN COMPUTER APPLICATION DEVELOPMENT
2. Programme Code : CT204
3. Duration : 3 years
4. Total Credit Hours : 120
5. Medium of Instruction : English
6. Entry Requirement : A pass in Matriculation/Foundation with a minimum CGPA 2.00 and credits in Mathematics at SPM level or its equivalent;  
OR  
A pass in Sijil Tinggi Persekolahan Malaysia (STPM) or its equivalent with a minimum Grade C (SGP 2.00) in any two (2) subjects and credits in Mathematics at SPM level or its equivalent;  
OR  
A pass in Diploma (Level 4 MQF) in Computer Science or Software Engineering or Information Technology or Information System or its equivalent with a minimum CGPA 2.50 and credits in Mathematics at SPM level or its equivalent;  
OR  
A pass in Diploma (Level 4 MQF) in Science and Technology or Business Studies with a minimum CGPA 2.50 maybe admitted subject to a rigorous internal assessment process and credits in Mathematics at SPM level or its equivalent;  
  
For international students, a candidate must achieve a score for Test of English as a Foreign Language (TOEFL) with a minimum score 500 or achieved score for International English Language Testing System (IELTS) with a minimum Band 5.0 or its equivalent. If the student did not fulfil the required terms, KUPTM needs to provide them with an English Proficiency course to make sure the student

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fulfilled the required terms of admissions of the program.

Note: Candidates with CGPA of less than 2.50 but exceeding 2.00 with credits in Mathematics at SPM level or its equivalent may be accepted subject to strict internal assessment process.

7. Programme :  
Educational Objectives

The Bachelor of Information Technology (Honours) in Computer Application Development programme aims to produce software developers who are:

- PEO1 : knowledgeable and technically competent in the field of information technology in computer application development in line with industry requirement locally and globally.
- PEO2 : effective in communication, perform well as a team player and demonstrate good leadership qualities in an organisation.
- PEO3 : capable to solve problems related to the field of information technology in computer application development, creatively, innovatively, ethically, using numerical and technical skills, and through sustainable approach.
- PEO4 : able to demonstrate entrepreneurship skills and recognise the need of lifelong learning, as well using a broad range information in computer application development, media and technology applications for successful career advancement.

8. Programme Outcomes :

Upon completion of the programme, graduates will be able to:

- PLO1 : Demonstrate comprehensive theoretical and technical knowledge on relevant Information Technology skills in Computer Application Development.
- PLO2 : Demonstrate advanced analytical and critical thinking skills in decision making and problem solving in relation to specialized field.
- PLO3 : Apply a range of essential methods and procedures to solve a broad range of problems.

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- PLO4 : Convey ideas both in written or oral forms using appropriate forms of presentation, confidently, accurately and coherently in appropriate context in a well-structured manner to a diversity of audiences.
- PLO5 : Work together with different people in diverse learning and working communities as well as other groups locally and globally.
- PLO6 : Use a broad range of information in computer application development, media and technology applications to support study and/or work.
- PLO7 : Use and combine numerical and graphical/visual data for study/work.
- PLO8 : Undertake significant levels of work related responsibilities of others as well as self.
- PLO9 : Apply skills and principles of lifelong learning in academic and career development.
- PLO10 : Apply broad computer application development and real world perspectives and demonstrate entrepreneurial skills.
- PLO11 : Demonstrate professionalism, social and ethical considerations in work environment.
9. Awarding Body : Universiti Poly-Tech Malaysia
10. Programme Standards : Computing (2015)



## PROGRAMME STRUCTURE

### BACHELOR OF INFORMATION TECHNOLOGY (HONOURS) IN COMPUTER APPLICATION DEVELOPMENT (CT204)

Year 1 Semester 1:

COURSE CODE	COURSE NAME	STATUS	CREDIT	SLT	PRE-REQ	ASSESSMENT	
						Course Work	Final Assessment
ARC2043	Computer Organization and Architecture	Major Core	3	120	None	60%	40%
ARC2053	Operating Systems	Major Core	3	120	None	60%	40%
ITC2113	Digital Technology and Society	Major Core	3	120	None	60%	40%
MAT2023	Discrete Mathematics 1	Major Core	3	120	None	60%	40%
SWC2123	Introduction to Object-Oriented Programming	Major Core	3	120	None	60%	40%
MPU3183	Penghayatan Etika dan Peradaban	Compulsory	3	120	None	70%	30%
<b>Total</b>			<b>18</b>				

Year 1 Semester 2:

COURSE CODE	COURSE NAME	STATUS	CREDIT	SLT	PRE-REQ	ASSESSMENT	
						Course Work	Final Assessment
ITC2043	Database Fundamentals	Major Core	3	120	None	60%	40%
MMC2013	Human Computer Interaction	Major Core	3	120	None	70%	30%
NWC2053	Computer Systems and Networking	Major Core	3	120	None	70%	30%
SWC4133	Data Structures and Algorithm	Major Core	3	120	SWC2123	60%	40%
SWC3233	Advanced Object-Oriented Programming	Major Core	3	120	SWC2123	60%	40%
MPU3193	Falsafah dan Isu Semasa	Compulsory	3	120	None	70%	30%
<b>Total</b>			<b>18</b>				

Year 1 Semester 3

COURSE CODE	COURSE NAME	STATUS	CREDIT	SLT	PRE-REQ	ASSESSMENT	
						Course Work	Final Assessment
MAT2043	Discrete Mathematics 2	Major Core	3	120	MAT2023	60%	40%
MPU3253	Leadership and Interpersonal Skills	Compulsory	3	120	None	70%	30%
UCS3013/ UCS3033/ UCS3053	Arabic 1/ Mandarin 1/ French 1	Compulsory	3	120	None	60%	40%
	<b>Total</b>		<b>9</b>				

Year 2 Semester 1:

COURSE CODE	COURSE NAME	STATUS	CREDIT	SLT	PRE-REQ	ASSESSMENT	
						Course Work	Final Assessment
ITC3014	Database Management and Information Retrieval	Major Core	4	160	ITC2043	60%	40%
SWC3153	Object-Oriented System Analysis and Design	Major Core	3	120	SWC2123	70%	30%
SWC3143	Web Application Development	Elective Core	3	120	SWC2123	50%	50%
SWC3213	Mobile Applications Development	Elective Core	3	120	SWC2123	60%	40%
UCS3023/ UCS3043/ UCS3063	Arabic 2/ Mandarin 2/ French 2	Compulsory	3	120	UCS3013/ UCS3033/ UCS3053	60%	40%
	<b>Total</b>		<b>16</b>				

Year 2 Semester 2:

COURSE CODE	COURSE NAME	STATUS	CREDIT	SLT	PRE-REQ	ASSESSMENT	
						Course Work	Final Assessment
NWC3073	Information System Security	Major Core	3	120	None	70%	30%
ITC3033	Software Project Management	Elective Core	3	120	None	60%	40%
MMC3013	User Interface Development	Elective Core	3	120	MMC2013	60%	40%
SWC4253	Enterprise Application Development	Elective Core	3	120	SWC3153	60%	40%
ENW3093	Academic Writing	Free Module	3	120	None	60%	40%
<b>Total</b>			<b>15</b>				

Year 2 Semester 3:

COURSE CODE	COURSE NAME	STATUS	CREDIT	SLT	PRE-REQ	ASSESSMENT	
						Course Work	Final Assessment
MPU3333/ MPU3363/ MPU3213	Pengajian Islam 3/ Ethics and Moral 3/ Bahasa Kebangsaan A	Compulsory	3	120	None	70%	30%
MPU3422	Khidmat Masyarakat 2	Compulsory	2	80	None	90%	10%
UCS3073/ UCS3093	Personal Development/ Creativity and Innovation	Compulsory	3	120	None	50% 60%	50% 40%
<b>Total</b>			<b>8</b>				

Year 3 Semester 1:

COURSE CODE	COURSE NAME	STATUS	CREDIT	SLT	PRE-REQ	ASSESSMENT	
						Course Work	Final Assessment
FYP4013	Computing Project 1	Final Year Project	3	120	Year 3 standing	60%	40%
DSC4013	Introduction to Data Analytics	Elective Core	3	120	None	60%	40%
SWC4243	Advanced Application Development	Elective Core	3	120	None	50%	50%
SWC4263	Software Testing and Quality Assurance	Elective Core	3	120	None	60%	40%
ESL3053	Effective Communication	Free Module	3	120	None	60%	40%
	<b>Total</b>		<b>15</b>				

Year 3 Semester 2:

COURSE CODE	COURSE NAME	STATUS	CREDIT	SLT	PRE-REQ	ASSESSMENT	
						Course Work	Final Assessment
FYP4025	Computing Project 2	Final Year Project	5	200	FYP4013	60%	40%
ITC1073	Business Information Management Strategy	Elective Core	3	120	None	60%	40%
MKT4083	Integrated Marketing Communication	Elective Core	3	120	None	70%	30%
UCS3083	Entrepreneurship with Digital Application 2	Compulsory	3	120	None	60%	40%
	<b>Total</b>		<b>14</b>				

Year 3 Semester 3:

COURSE CODE	COURSE NAME	STATUS	CREDIT	SLT	PRE-REQ	ASSESSMENT	
						Course Work	Final Assessment
INT4017	Industrial Training	Industrial Training	7	280	Pass ALL courses with CGPA greater or equal to 2.00	-	100%
	<b>Total</b>		<b>7</b>				

## **COURSE INFORMATION**

### **ARC2043 COMPUTER ORGANIZATION AND ARCHITECTURE**

**Prerequisite: None**

This course introduces modern computer system architecture which is structured around primary building blocks of general-purpose computing systems and applications of these insights and principles to future computer designs.

### **ARC2053 OPERATING SYSTEMS**

**Prerequisite: None**

This course introduces operating systems and their function in managing processor, file, input & output, memory and secondary storage efficiently. It also covers the operating system issues and techniques used regarding resources management and protection.

### **DSC4013 INTRODUCTION TO DATA ANALYTICS**

**Prerequisite: None**

This course introduces the basic concepts of data science and data analytics. Existing datasets will be used to develop skills in data preprocessing, manipulation, analysis reporting and visualizations.

### **ENW3093 ACADEMIC WRITING**

**Prerequisite: None**

This course introduces the techniques of academic writing to improve the proficiency of the writing skills. It covers the process of writing, outlining and completing the academic paper.

### **ESL3053 EFFECTIVE COMMUNICATION**

**Prerequisite: None**

This course develops effective skills in communication. It exposes various sophisticated techniques of presentations and techniques for efficient public speaking and communication in an academic setting. Topics included are presentation skills, the usage of visual and verbal aids in presentations, drafting speech outlines and writing simple research report.

**FYP4013 COMPUTING PROJECT 1****Prerequisite: Year 3 standing**

The course is the first part of a two-part computing project. It is an integration of the various computer application development course modules. This part focuses on project planning: identification of problem and project objectives, literature review, requirements gathering and analysis.

The project is expected to be a substantial practical problem-solving exercise or a research study which requires students to demonstrate their skills in organization, time management, investigation and communication.

**FYP4025 COMPUTING PROJECT 2****Prerequisite: FYP4013**

The course is the continuation of Computing Project 1. It focuses on project development: project design, implementation and testing.

**INT4017 INDUSTRIAL TRAINING****Prerequisite: Pass ALL Courses with CGPA greater or equal to 2.0**

Industrial Training provides practical experience relevant to the real working environment prior to graduation. With all the experiences and knowledge acquired, students will be ready to join the workforce upon graduation.

**ITC1073 BUSINESS INFORMATION MANAGEMENT STRATEGY****Prerequisite: None**

The course covers three main areas which are strategic planning, role of IS/IT in business and managing change. Topics covered are the role of business planning process and strategic planning analysis tools which includes PESTLE, SWOT and Porter's Frameworks. It also covers management information systems model and business application portfolio.

**ITC2043 DATABASE FUNDAMENTALS****Prerequisite: None**

This course provides an intermediate level of knowledge into how database concepts are used commercially. It covers an introductory study of database theory, design and implementation.

**ITC2113 DIGITAL TECHNOLOGY AND SOCIETY****Prerequisite: None**

This course explain the importance of internet and digital technology that give impacts to the individual and society. Current application and issues related to the misuse of technology are investigated, and ethical and legal aspects discussed.

**ITC3014 DATABASE MANAGEMENT AND INFORMATION RETRIEVAL****Prerequisite: ITC2043**

This course provides an insight into additional database management aspect in terms of data handling and analysis in a secured database environment. It covers a fundamental study of database management, distributed database and concurrent transaction, information retrieval, database performance-tuning and database security management.

**ITC3033 SOFTWARE PROJECT MANAGEMENT****Prerequisite: None**

This course introduces project management developing project skills using appropriate software management tools. It covers role of project manager within broader perspective strategic business management. This includes project planning, project executing & monitoring and project closing.

**MAT2023 DISCRETE MATHEMATICS 1****Prerequisite: None**

This module is an introduction to the basic mathematical concepts used in Computing Science. Topics covered include the sets theory, counting, logic & truth tables, binary number system, Boolean algebra, logic gates and simple computer circuits, and statistics (mean, median, mode, variance, data presentation).

**MAT2043 DISCRETE MATHEMATICS 2****Prerequisite: MAT2023**

This module is a continuation of Discrete Mathematics 1, which introduces further mathematical concepts used in computing science. Topics covered include quantifiers, relations, functions, graph theory, introduction to proofs, cryptography and algorithms.



**MKT4083 INTEGRATED MARKETING COMMUNICATION****Prerequisite: None**

This course offers students the opportunity to broaden their understanding of marketing management by integrating advertising, promotion, social media and public relations as part of a campaign to achieve market growth.

**MMC2013 HUMAN COMPUTER INTERACTION****Prerequisite: None**

This course introduces the basic concepts of human computer interaction (HCI). It covers various aspects involved in creating an environment for humans to interact with the computer in developing user interfaces for different interactions.

**MMC3013 USER INTERFACE DEVELOPMENT****Prerequisite: MMC2013**

This course is a continuity from Human Computer Interaction (MMC2013). Topics covered are website development and mobile applications. It emphasizes the importance of user interface in the software development life cycle (SDLC).

**NWC2053 COMPUTER SYSTEMS AND NETWORKING****Prerequisite: None**

This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum.

**NWC3073 INFORMATION SYSTEM SECURITY****Prerequisite: None**

This course introduces the concepts and issues related to securing information systems and the development of policies to implement information security controls. Topics include basic foundations of information system security mechanism, tools, techniques and applications being implemented such as cryptography, web security, mobile application security, network security and information security risks management.

**SWC2123 INTRODUCTION TO OBJECT-ORIENTED PROGRAMMING****Prerequisite: None**

This course gives a gentle introduction to software construction using an object-oriented approach to solve computing problems. Object-oriented programming (OOP) is a programming paradigm that uses "objects" and their interactions to design applications and computer programs. It is based on several techniques, including inheritance, modularity, polymorphism, and encapsulation. This course will use a block-based programming environment and Integrated Development Environment (IDE) to build the foundation of logical and computational thinking of object-oriented programming.

**SWC3143 WEB APPLICATION DEVELOPMENT****Prerequisite: SWC2123**

This course provides the concepts and skills necessary to design and develop web-based applications. It covers building a working database application using an appropriate relational database management system such as MySQL and an appropriate server-side scripting language such as Hypertext Preprocessor (PHP) to serve the information needs of an enterprise. The course focuses on the use of high-level software tools in developing web-based application.

**SWC3153 OBJECT-ORIENTED SYSTEM ANALYSIS AND DESIGN****Prerequisite: SWC2123**

This course starts with the description of system requirements organization types, i.e. how information can be organized at the stage of system analysis. Further system analysis and design are described according to an analysis of system application and construction of the system model based on use-cases. Diagram in UML language is constructed during system analysis and design. Construction of systems model diagram is supported by any system modeling tool.

**SWC3213 MOBILE APPLICATIONS DEVELOPMENT****Prerequisite: SWC2123**

This course introduces the important concepts and aspects in mobile application development on several platforms such as Android and iOS including user interface design, data storage, multimedia support, multi-threading, debug, test, security and application distributions as well as publishing.

**SWC3233 ADVANCED OBJECT-ORIENTED PROGRAMMING****Prerequisite: SWC2123**

The course is an expository of the object-oriented programming methodology with emphasis on software design and code reuse as its core objectives. As a practical course, the focus is to equip students with adequate high-level object-oriented programming techniques required for successful design, development, and deployment of today's complex software systems. Furthermore, the students are actually mentored to master how the Java technology can be used to develop modern software systems.

**SWC4133 DATA STRUCTURES AND ALGORITHM****Prerequisite: SWC2123**

This course is a continuation of Object-oriented Programming course (SWC2123). It emphasizes on manipulating data by applying the fundamentals of data structures concept such as lists, stacks, queues and trees for primitive and abstract data types. In addition, it exposes basic searching and sorting algorithms, and examples of recursive methods with ideas of how to convert algorithms expressed in recursion into iteration. These knowledge and techniques will help in designing effective and efficient programs using data structures and relevant algorithms when solving practical problems in future.

**SWC4243 ADVANCED APPLICATION DEVELOPMENT****Prerequisite: None**

This course exposes the desktop application development with emphasis the rich client platform evolution by using JavaFX. It focuses on high-level programming techniques required for successful design, development, and deployment of today's complex application development. Uses Java technology can be used to develop modern cross platform desktop application.

**SWC4253 ENTERPRISE APPLICATION DEVELOPMENT****Prerequisite: SWC3153**

This course focuses on the development of enterprise applications using Java EE based on object-oriented design. It covers software architecture documentation and implementation.

**SWC4263 SOFTWARE TESTING AND QUALITY ASSURANCE****Prerequisite: None**

This course introduces to software engineering testing process. It describes quality assurance process and its role in software development. This course **covers various** testing techniques, methods, tools, practice of verification and validation techniques, quality assurance process and techniques and ISO 9000/SEI CMM **process** evaluations.

**UCS3013 ARABIC 1****Prerequisite: None**

This course introduces the basic of Arabic language: Arabic letters (Hijaiyyah), grammar and the four language skills (listening, reading, writing and speaking) in situational context.

**UCS3023 ARABIC 2****Prerequisite: UCS3013**

This course is a continuation of Arabic 1. It focuses on the development and strengthening of the four language skills at the intermediate level.

**UCS3033 MANDARIN 1****Prerequisite: None**

This course covers information to the Chinese universal pronunciation system (Hanyu Pinyin), Chinese simplified characters, basic speaking, listening, writing and reading skills for communicate purposes on selected topics in daily life.

**UCS3043 MANDARIN 2****Prerequisite: UCS3033**

This course has higher depth compared to its pre-requisite, Mandarin 1. This course covers information to the Chinese universal pronunciation system (Hanyu Pinyin), Chinese simplified characters, basic speaking, listening, writing and reading skills for communicate purposes on selected topics in daily life.

**UCS3053 FRENCH 1****Prerequisite: None**

This course is designed to focus on exposure to, and practice of, general language functions in spoken, written and aural forms. Grammatical structures necessary for the production of the target language and practice of pronunciation, intonation and stress. It helps to develop language-learning skills and to foster cultural (Francophone) awareness.

**UCS3063 FRENCH 2****Prerequisite: UCS3053**

This course has higher depth compared to its pre-requisite, French 1.

This course is designed to focus on exposure to, and practice of, general language functions in spoken, written and aural forms. Grammatical structures necessary for the production of the target language and practice of pronunciation, intonation and stress. It also helps to develop language-learning skills and to foster cultural (Francophone) awareness.

**UCS3073 PERSONAL DEVELOPMENT****Prerequisite: None**

The course serves to provide the students an understanding of developing pleasant appearance and project a professional image, self-confidence and positive attitudes. The motto of this course is 'to be the best version of you'. Hence, it focuses on students' ability to apply the main theories and concepts of personal development in their daily life. It also covers developing pleasant appearances and maintaining acceptable behaviour especially under stressful situations consistent with the values and norms of the Malaysian culture and cross cultural environment.

**UCS3083 ENTREPRENEURSHIP WITH DIGITAL APPLICATION 2****Prerequisite: None**

This course will expose the students with theoretical knowledge and tools of digital entrepreneurship. In addition students also will train to sell a real product through social media. This course also provides students with the basic knowledge and process on how to prepare a digital business plan. It also requires students to do research and consultation with their respective lecturers in preparing the digital business plan.

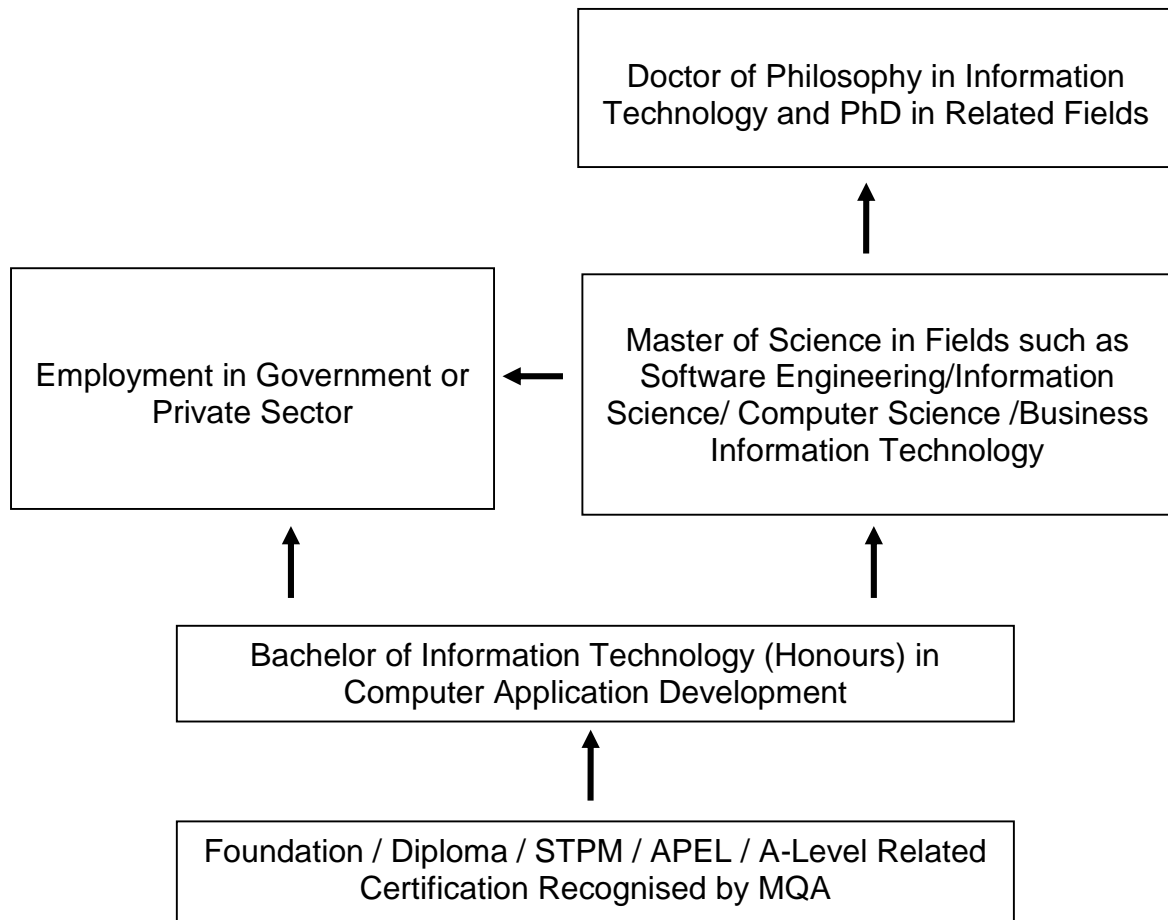
## **UCS3093 CREATIVITY AND INNOVATION**

**Prerequisite: None**

This course introduces the creative approaches of recent innovations in business, industry, and education. It gives insights through learning and practicing creative skills and techniques. Topics covered are creativity in terms of leadership, entrepreneurship, ethics, and types of innovation.

## STUDY PATH

### BACHELOR OF INFORMATION TECHNOLOGY (HONOURS) IN COMPUTER APPLICATION DEVELOPMENT



## ACADEMIC PLANNER

ACTIVITY	Long Semester	Short Semester
	Day / Week	Day / Week
Registration (New Students)	Day 1	Day 1
Induction	Day 2	Day 2
Add/Drop Week	Week 4	Week 2
Lectures	Week 1 - 7	Week 1 - 7
Mid-Semester Break	1 Week	
Lectures	Week 8 – 14	
Revision Week	2 Days	2 Days
Final Examination	3 Weeks	1 - 2 Weeks
Semester Break	2 - 3 Weeks	2 - 3 Weeks

Note: Actual academic calendar can be accessed in the UPTM website at [www.uptm.edu.my](http://www.uptm.edu.my).

- The University reserves the right to make any changes to the academic calendar when necessary. Students are advised to be aware of announcements regarding changes at all times.



## ACADEMIC REGULATIONS

- All UPTM students are subjected to the academic rules and regulations as outlined in the **Academic Regulations of Universiti Poly-Tech Malaysia (UPTM) (2023 Amendment)**. A copy of this academic rules and regulations can be accessed in the UPTM website at [www.uptm.edu.my](http://www.uptm.edu.my).
- All UPTM students pursuing academic programmes in collaboration with professional, local or foreign partner institutions are also subjected to the rules and regulations of the partner institutions. A copy of this handbook can be accessed in the UPTM website at [www.uptm.edu.my](http://www.uptm.edu.my)