DPC Undergraduate Programme Study Plan from 2019/2020 (for E2)

Year 1 (Total Credit: 35)	Sem 1	APAC1001 College Physics	EELC1012 University English II	CISC1000 Information Technology Fundamentals and Practices	GELH1000 Chinese Language & Culture	GEST1004 Quantitative Reasoning for S&T	CPED1001 Physical Education		CPED1000 Residential College Experimental Learning
	Sem 2	APAC1003 Introduction to College Chemistry	APAC1000 Advanced Mathematics I	APAC1002 Electromagnetism and Physical Optics	CISC1001 Programming Science	EELC1013 University English III	GE on "Science & Technology"	CPED1001 Physical Education	
Year 2 (Total Credit: 31)	Sem 1	APAC2002 Modern Physics	APAC2000 Advanced Mathematics II	APAC2001 Analytical and Environmental Chemistry	CHLL1000 or PORT1000	GESB1000 Ethics, Values, Law and Society	CPED2000 Communication Skills & Leadership		
	Sem 2	APAC2003 Inorganic Chemistry	APAC2004 Quantum Physics	GEGA1000 Macao and Chinese Civilization	Free Elective				
Year 3 (Total Credit: 30)	Sem 1	APAC3000 Materials Physics and Chemistry	APAC3001 Solid State Physics	APAC3002 Thermodynamics and Statistical Physics	General Education	Free Elective			
	Sem 2	APAC3005 Physical Chemistry	APAC3004 Optoelectronics	APAC3006 Semiconductor Physics	APAC3003 Materials Characterization	General Education			
Year 4 (Total Credit: 24)	Sem 1	APAC4000 Research Project	General Education	Free Elective	Required Elective	Required Elective			
	Sem 2	APAC4000 Research Project	Required Elective	Required Elective					

Compulsory Major | **Required Elective** | **Free Elective**

Language & Skill | **General Education** | **Community & Peer Education**

Required Elective Courses:

CISC1006 Probability and Statistics
APAC3007 Low-dimensional Physics
APAC3008 Nanochemistry
APAC3009 Organic and Polymer Chemistry
APAC3010 Thin Film Physics
APAC4001 Electrochemistry
APAC4002 Electrodynamics
APAC4003 Magnetic Properties of Materials
APAC4004 Mathematical Methods in Physics (*Pre-requisite: GEST1004 Quantitative Reasoning for S&T*)
APAC4005 Micro-/Nano-System
APAC4007 Semiconductor Materials and Devices (*Pre-requisite: APAC3006 Semiconductor Physics or APAC3001 Solid State Physics*)
APAC4008 Supermolecular Chemistry
APAC4009 Theory and Modeling of Materials Properties
APAC4010 Topics in Emerging Materials