

# DPC Undergraduate Programme Study Plan from 2019/2020 (for Eng CW)

Year 1	Year 2	Year 3	Year 4	Required Elective Courses:
<b>Sem 1</b> Total Credit: 35	<b>Sem 1</b> Total Credit: 31	<b>Sem 1</b> Total Credit: 30	<b>Sem 1</b> Total Credit: 24	<b>Required Elective Courses:</b> CISC1006 Probability and Statistics APAC3007 Low-dimensional Physics APAC3008 Nanochemistry APAC3009 Organic and Polymer Chemistry APAC3010 Thin Film Physics APAC4001 Electrochemistry APAC4002 Electrostatics APAC4003 Magnetic Properties of Materials APAC4004 Mathematical Methods in Physics ( <i>Pre-requisite: GEST1004 Quantitative Reasoning for S&amp;T</i> ) APAC4005 Micro-/Nano-System APAC4007 Semiconductor Materials and Devices ( <i>Pre-requisite: APAC3006 Semiconductor Physics or APAC3001 Solid State Physics</i> ) APAC4008 Supramolecular Chemistry APAC4009 Theory and Modeling of Materials Properties APAC4010 Topics in Emerging Materials
<b>Sem 2</b> Total Credit: 35	<b>Sem 2</b> Total Credit: 31	<b>Sem 2</b> Total Credit: 30	<b>Sem 2</b> Total Credit: 24	
APAC1001 College Physics APAC1003 Introduction to College Chemistry	APAC2002 Modern Physics APAC2003 Inorganic Chemistry	APAC3000 Materials Physics and Chemistry APAC3005 Physical Chemistry	APAC4000 Research Project APAC4000 Research Project	
CISC1000 Information Technology Fundamentals and Practices APAC1000 Advanced Mathematics I	APAC2000 Advanced Mathematics II APAC2004 Quantum Physics	APAC3001 Solid State Physics APAC3004 Optoelectronics	General Education Required Elective	
GEST1004 Quantitative Reasoning for S&T APAC1002 Electromagnetism and Physical Optics	APAC2001 Analytical and Environmental Chemistry GEGA1000 Macao and Chinese Civilization	APAC3002 Thermodynamics and Statistical Physics APAC3006 Semiconductor Physics	Free Elective Required Elective	
GELH1000 Chinese Language & Culture CISC1001 Programming Science	Free Elective	General Education APAC3003 Materials Characterization	Required Elective Required Elective	
GE on "Science & Technology" CHLL1000 or PORT1000	GESB1000 Ethics, Values, Law and Society	Free Elective General Education	Required Elective Required Elective	
CPED1001 Physical Education Free Elective	CPED2000 Communication Skills & Leadership	Free Elective General Education	Free Elective Required Elective	
CPED1000 Residential College Experimental Learning CPED1001 Physical Education	CPED2000 Communication Skills & Leadership	Free Elective General Education	Free Elective Required Elective	
<b>Compulsory Major</b>				
<b>Language &amp; Skill</b>				
Free Elective				
Community & Peer Education				