

DPC Undergraduate Programme Study Plan from 2019/2020 (for E1b)

Year 1	Sem 1	Sem 2	General Education				CPED1001 Physical Education	CPED1000 Residential College Experimental Learning
Total Credit: 35	APAC1001 College Physics	APAC1003 Introduction to College Chemistry	EELC1011 University English I	CISC1000 Information Technology Fundamentals and Practices	GELH1000 Chinese Language & Culture	GEST1004 Quantitative Reasoning for S&T	CPED1001 Physical Education	CPED1001 Physical Education
Year 2	Sem 1	Sem 2	General Education				GE on "Science & Technology"	CPED2000 Communication Skills & Leadership
Total Credit: 31	APAC2002 Modern Physics	APAC2003 Inorganic Chemistry	APAC2000 Advanced Mathematics II	APAC2001 Analytical and Environmental Chemistry	EELC1013 University English III	EELC1012 University English II	CPED2000 Communication Skills & Leadership	CPED2000 Communication Skills & Leadership
Year 3	Sem 1	Sem 2	General Education				Free Elective	CPED2000 Communication Skills & Leadership
Total Credit: 30	APAC3000 Materials Physics and Chemistry	APAC3005 Physical Chemistry	APAC3001 Solid State Physics	APAC3002 Thermodynamics and Statistical Physics	APAC3003 Materials Characterization	Free Elective	CPED2000 Communication Skills & Leadership	CPED2000 Communication Skills & Leadership
Year 4	Sem 1	Sem 2	General Education				Required Elective	CPED2000 Communication Skills & Leadership
Total Credit: 24	APAC4000 Research Project	APAC4000 Research Project	APAC3004 Optoelectronics	APAC3006 Semiconductor Physics	Free Elective	Required Elective	CPED2000 Communication Skills & Leadership	CPED2000 Communication Skills & Leadership
Compulsory Major	Required Elective		Free Elective		Required Elective			CPED2000 Communication Skills & Leadership
Language & Skill	General Education		Community & Peer Education		Required Elective			CPED2000 Communication Skills & Leadership

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 Electrostatics
- 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 Supramolecular Chemistry
- APAC4009 Theory and Modeling of Materials Properties
- APAC4010 Topics in Emerging Materials