

香港科技大學
中學／大學雙修課程 2022

課程簡介

課程宗旨

「中學／大學雙修課程 2022」旨在為資優生提供不同的學習渠道，讓他們可以：

- (1) 將大部分學習時間用於學校中作健康、全面的個人發展；
- (2) 投放部分時間在香港科技大學加速學習其感興趣之學科，並取得大學學分。

課程結構

中學／大學雙修課程為三階段漸進式課程，首次參加的同學可以在自己有優異表現或甚具潛力的一個學科，選擇報讀預備階段或階段一的課程 [預備階段課程專為初中（中學一至三年級）的同學而設]。若同學以優異成績完成一個階段，可以選擇於第二年修讀下一個階段。

課程階段	課程內容	課程種類	科目	日期	上課時間	費用* (港幣)
預備階段	階段一銜接課程	非學分制	數學 物理	2022 年 11 月 2023 年 4 月	星期六	\$6,500
階段一	加速 (中學) 課程		化學 生命科學			2023 年 10 月 2024 年 3 月
階段二#	大學一年級程度	數學 物理 工程* 課程例子： - 多變量微積分 - 現代物理學概論 - 有機化學 I - 生物多樣性 - 靜力學	2024 年 9 月	每學分 \$2,400		
階段三#	大學程度 專題學科課程	學分制		大學學期 平日上課 時間^	每學分 \$2,400	

- * 1. 所列學費為暫定，階段二及三之學費或有所調整，確實金額以該學年的提名結果通知書為準；
2. 學校可考慮運用政府津貼，例如教育局之全方位學習津貼，為學生提供學費資助。
有關津貼運用指引及詳情，請瀏覽[教育局網頁](#)；
3. 有需要的學生可申請學費資助。
- @ 工程範疇的材料費為港幣\$800。
- # 老師／學生可以在完成階段一／階段二後決定是否繼續報讀階段二／階段三。
- ^ 中學須作特別安排讓學生可順利參與平日進行的大學常規課程。
- ❖ 工程範疇階段二課程暫為非學分制課程。

預備階段為雙修課程的銜接課程，專為在學校表現出眾和希望入讀階段一的初中（中學一至三年級）同學而設，為他們作更好的準備。

階段一為大學預備課程，為尚未能應付大學程度課程的同學而設，以加速其學習。課程例子包括科學、數學及工程學科的加速（中學）課程。

階段二為大學初階課程（學分制），於週末以小組學習形式上課，為有充分準備的同學而設。課程例子包括大學一年級程度的科學、數學及工程學科課程❖。

階段三為大學專題學科課程（學分制），專為階段二表現優異並有志進一步研習之同學而設。同學將會與大學學生共同修讀大學的常規課程。由於大學常規課程多安排於平日進行（每星期一至三節課），中學須作特別安排讓同學可順利參與課堂。

❖ 工程範疇階段二課程暫為非學分制課程。

提名準則

1. 同學須經由學校校長或代表提名，並不受其就讀年級限制。
2. 各個科目都有特定修讀條件。老師和學生應該在提名或入學前確認細節，例如課程目標及課程時間表，以得到最佳的學習效果。

➤ 預備階段

初中（中學一至三年級）同學

- 能於相關的學習範疇展示其潛能及濃厚的興趣；或
- 能於相關的學習範疇上，展示其熱忱及能力

➤ 階段一

- 同學能於相關的學習範疇展示極具潛能及有濃厚的興趣；或
- 同學能於相關的學習範疇上，展示其熱忱及能力

課程導師

所有課程將由科大導師、教職員或有豐富經驗的導師任教。

重要日期（暫定）

日期	程序
2022 年 8 月	雙修課程資料及提名表格： <ul style="list-style-type: none"> • 郵寄至參與學校 • 電郵予學校統籌老師
2022 年 9 月 1 日（星期四）	雙修課程提名期開始
2022 年 9 月 7 日（星期三）	網上老師提名工作坊 （廣東話進行） <ul style="list-style-type: none"> • 簡介雙修課程提名程序及提名準則 • 曾參與雙修課程的學校老師分享經驗 • 對象：學校老師
2022 年 9 月 10 日（星期六）	雙修課程網上簡介會 及 家長講座 （廣東話進行） <ul style="list-style-type: none"> • 雙修課程各科導師介紹課程內容 • 對象：家長和學生
2022 年 9 月 30 日（星期五）	獲提名學生填寫網上提名表格期限結束
2022 年 10 月 6 日（星期四）	學校統籌老師收集並寄出所有網上提名電郵期限結束
2022 年 10 月 31 日（星期一）	遴選結果經電郵通知學校統籌老師及同學
2022 年 11 月下旬 – 2023 年 4 月	雙修課程 預備階段／階段一
2023 年 10 月下旬 – 2024 年 3 月	雙修課程 階段二 （完成上一階段後自由選擇是否報讀）
2024 年 9 月上旬 – 2024 年 12 月	雙修課程 階段三 （完成上一階段後自由選擇是否報讀）

請到以下網站瀏覽更多課程資料：www.cdgt.hkust.edu.hk

Secondary Schools – The Hong Kong University of Science and Technology Dual Program 2022

Information Sheet

Aims

“Secondary Schools - The Hong Kong University of Science and Technology (HKUST) Dual Program 2022” aims to provide an alternative pathway for students who are gifted in certain areas so that they can:

- (1) Spend most of their time at secondary schools for a healthy, holistic personal development;
- (2) Devote part of their time at HKUST studying subjects of their interest at an accelerated pace and earn university credits.

Program Structure

DP has a 3-level progressive structure. At first entry, students can choose **one** of the following aspects which they have shown excellent achievement or great potential in **either** Pre-stage Level or Level 1 (the Pre-stage Level is specially designed for junior secondary school (the first three years of secondary school) students). Students who have successfully completed a level with excellent performance can choose to proceed to the next level of the same aspect in the next year.

Course Level	Content	Course Type	Subjects	Date	Class Time	Course Fee* (HKD)
Pre-stage Level	Bridging Courses to Level 1	Non Credit-bearing	Mathematics Physics	November 2022 April 2023	Saturdays	\$6,500 per course
Level 1	Accelerated Matching Courses in Secondary School Level		Chemistry Life Science Mathematics Physics Engineering [◆]			\$7,600/ \$8,800 (ENGG) [@] per course
Level 2 [#]	Introductory University Level	Credit-bearing	Examples of courses offered: - Multivariable Calculus - Modern Physics - Organic Chemistry I - Biodiversity - Statics	October 2023 March 2024		\$2,400 per credit
Level 3 [#]	University Level Courses on Specialized Subjects		September 2024	Weekdays during University Semester [^]	\$2,400 per credit	

* 1. The course fee is tentative. The fee for Level 2 and 3 will be subject to review. For the actual amount, please refer to the nomination result announcement;

2. Schools may consider using government subsidies to provide financial aid to students, e.g. Life-wide Learning Grant provided by EDB. For details and guidelines on the use of the grant, please visit [EDB website](#).

3. Financial Assistance will be provided for those in need.

@ Material fee for Engineering Level 1 is HK\$800.

- # Teachers/students can decide whether to proceed to Level 2/Level 3 upon completion of Level 1/Level 2.
- ^ Special arrangements have to be made with secondary schools as these courses are offered on weekdays.
- ❖ Level 2 Engineering course is non-credit bearing.

Pre-stage level courses are the bridging courses for Level 1 courses. They are specifically designed for junior secondary school (the first three years of secondary school) students who demonstrate potential in the subject area. It aims at helping them prepare themselves for further study of more advanced courses.

Level 1 courses are matching courses for students with experience of accelerated study in secondary school level courses but are not quite ready for university level courses yet. Examples of Level 1 courses include accelerated (secondary level) courses in Science aspects, Mathematics and Engineering.

Level 2 courses are introductory university level courses (credit-bearing) offered on weekends for groups of well-prepared students. Examples of Level 2 courses include Year 1 University level courses in Science aspects, Mathematics and Engineering ❖.

Level 3 courses are university level courses (credit-bearing) on specialized subjects for students with satisfactory performance in Level 2 courses and are interested in going further into chosen areas of study. These students will take the regular university courses (1 - 3 classes per week) with university students and special arrangements have to be made with their own schools as these courses are offered on weekdays.

- ❖ The Level 2 Engineering course is non-credit bearing.

Selection Criteria

1. Students must be nominated by School Principal or Representatives and are not restricted by their study level;
2. Each aspect will have its own pre-requisite. Teachers and students should read the details, including course objectives and schedule, before nomination/enrolment to ensure the best learning outcome.

➤ Pre-stage Level

Junior secondary school (the first three years of secondary school) students who:

- Demonstrate strong potential and great interest in the related specific areas; *OR*
- Show commitment and achievement in the related specific areas.

➤ Level 1

- Students who demonstrate strong potential and great interest in the related specific areas; *OR*
- Students who show commitment and achievement in the related specific areas.

Course Instructors

All courses will be instructed by HKUST faculty members or experienced instructors.

Important Dates for Schools (Tentative)

Date	Procedure
August, 2022	Program Information and Nomination Documents <ul style="list-style-type: none"> • being delivered to Participating Schools by mail • being sent to Coordinating Teachers by emails
1/9/2022 (Thursday)	Nomination Period Begins
7/9/2022 (Wednesday)	Online Nomination Workshop for Teachers (Conducted in Cantonese) <ul style="list-style-type: none"> • Briefing by CDGT staff on Nomination Practice and Selection Criteria • Sharing by teachers of Participating Schools in previous years
10/9/2022 (Saturday)	Online Information Session for Parents and Students & Parent Seminar (Conducted in Cantonese) <ul style="list-style-type: none"> • Introduction of the Dual Program by Course Instructors of each aspect
30/9/2022 (Friday)	Deadline for Submission of Online Nomination Form by Student Nominees
6/10/2022 (Thursday)	Deadline for Collection and Posting of All Nomination Email(s) by School Coordinating Teachers
31/10/2022 (Monday)	Nomination Result Announcement by Email to Schools Coordinating Teachers and Student Nominees
11/2022 – 4/2023	DP Pre-stage Level / Level 1
10/2023 – 3/2024	DP Level 2 (Optional upon completion of Level 1)
9/2024 – 12/2024	DP Level 3 (Optional upon completion of Level 2)

Please visit the following website for more details of the Dual Program: www.cdgt.hkust.edu.hk