

CUHK × CUHK(Shenzhen)

Aerospace Science and Earth Informatics & X Double Major Programme (JS4750)



CUHK × CUHK(Shenzhen) Aerospace Science and Earth Informatics & X Double Major Programme

CUHK and CUHK(Shenzhen) offer a comprehensive Collaborative Double Major Programme (CDMP). Students enrolled in this four-year programme will major in **Aerospace Science and Earth Informatics (ASEI)** offered by CUHK, along with a second major in Engineering, Science, or Social Science offered by either university. Learning and research activities take place across both campuses.

CUHK governs the academic standards of CUHK(SZ), ensuring high-quality education across both campuses.

Major Theme

This comprehensive programme combines Aerospace Science and Earth Informatics, preparing students to use data and technology to explore space and address Earth's environmental challenges. By pairing ASEI with a second major, students can specialize in complementary areas such as aerospace engineering, climate science, data science, or resource management.

Key Areas of Study

- Satellite and aerospace technologies
- Remote sensing and geoinformatics
- Geospatial data analysis and machine learning
- Atmospheric and space physics
- Environmental and climate monitoring

Career Paths

Graduates will be well-prepared for roles in aerospace firms, space agencies, environmental consultancies, GIS companies, government bodies, and research institutes. The programme also provides a strong foundation for postgraduate studies in related fields.

Experiential Learning Opportunities

CDMP Research and Innovation Scheme (CRIS)

CRIS was established through the deep collaboration between CUHK and CUHK(SZ) to respond to national and Guangdong-Hong Kong-Macao Greater Bay Area strategic needs. It provides a high-starting-point research platform for students in the double-major programme, encouraging them to conduct innovative research under the joint supervision of professors from both universities. Participating undergraduate students will receive a monthly research stipend, with a focus on cultivating their interdisciplinary research capabilities, innovative thinking, and practical translation competencies.

Field Trip to GBA

The programme offers a field trip across the Greater Bay Area. This immersive experience includes curates visits to leading aerospace companies and prestigious research institutions. Students will gain firsthand exposure to satellite technology firms and innovation hubs in cities like Shenzhen, Guangzhou, and Macau. The trip connects classroom learning directly to industry practice and emerging opportunities, which offers invaluable professional perspective and enhances career readiness in the sector.

Summer School at Harbin Institute of Technology

Harbin Institute of Technology (HIT) is renowned as "China's Premier Aerospace University" and "the Cradle of Engineers," having cultivated a large number of top talents for the country's aerospace sector. Many distinguished alumni have served as chief commanders and chief designers of major national aerospace projects. By joining this summer school, students will receive exclusive classroom instruction from leading HIT professors, participate interactive tutorials on rocket and satellite design, gain hands-on experience using HIT's advanced aerospace facilities, and visit HIT's state-of-the-art laboratories and key industry partners.

Admissions Channels

The programme welcomes applications through the following channels:

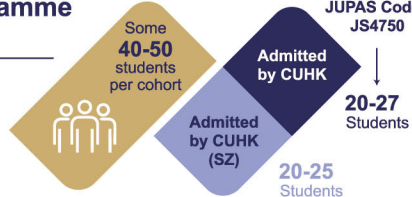
- JUPAS (JS4750)
- Non-JUPAS (Year 1 Entry)
- Mainland Gaokao
- International Admission

Please note that Senior Year Entry is not accepted.

Period of Study and Fees

- Normative study period: 4 years
- Spend 2 years in CUHK and 2 years in CUHK(SZ)
- Students can access a list of substitute/equivalent/alternative courses between CUHK and CUHK(SZ) to complete the required and elective courses on either campus, following a well-designed study pattern, to fulfill the graduation requirements of their home campus
- Receive the degree of the first major at the home campus upon completion of all degree requirements of the home campus
- Tuition fees: To be paid to home campus

Programme Size



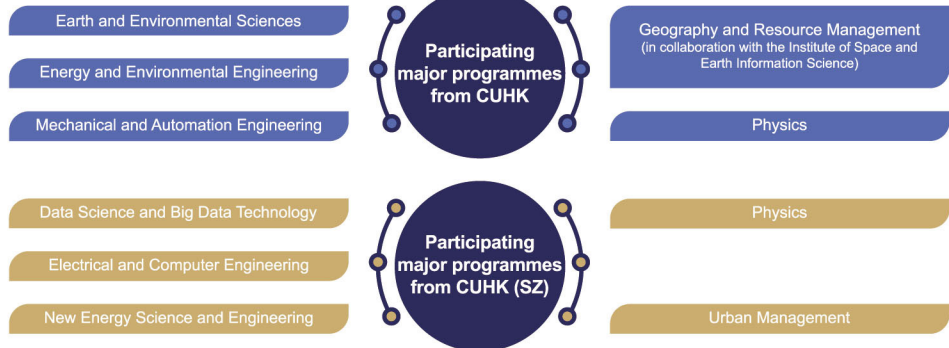
Highlights

- A broader range of academic opportunities: ASEI equips students with knowledge and skills across boundaries with breadth, while the other major in a related discipline enables in-depth studies
- Flexible course taking and valuable learning experience on two campuses (Hong Kong and Shenzhen)
- Exposure to two major Greater Bay Area (GBA) cities, with credit-bearing experiential learning opportunities
- An engaging and overlapping experience for the same cohort of students following a standard study pattern, augmenting students' network-building capabilities
- Gain full-time work experience with pay by joining the Co-op programme
- Strong and fruitful industry connections



Curriculum Structure

First Major (BSc in Aerospace Science and Earth Informatics) + Second Major
Second Major: Choose one from the participating majors offered by CUHK or CUHK(SZ)



Study Pattern (Applicable to students admitted by CUHK)

Students not joining the Co-op Programme

	Year 1	Year 2	Year 3	Year 4
Term 1	HK	SZ	HK	SZ
Term 2	SZ	HK	SZ	HK
Summer	Experiential learning	Experiential learning	-	-

Students joining the Co-op Programme

	Year 1	Year 2	Year 3	Year 4
Term 1	HK	SZ	HK	Co-op Work Term 2
Term 2	SZ	HK	SZ	HK
Summer	Experiential learning	Experiential learning	Co-op Work Term 1	-

Admission Figures (2026)

Subject	CHI	ENG	MATH	CS	M1/M2	1st Best Elective	2nd Best Elective	Weighted Total (out of 72.25)
Median	5	5*	5	A	5	5	5	42.75
Lower Quartile	5	3	5	A	5	5*		41.75

HKDSE Subjects with Special Weighting

2.0 M1 or M2, Physics, Geography

1.5 Mathematics

Admission Requirements for NON-JUPAS Local and International Applicants

International Baccalaureate (IB) Diploma

- **Preferred Subjects:** TWO HL from Mathematics, Physics, Geography
- Reference Score: 33 or above (out of 45)

GCE A-Level / International A-Level

- **Preferred Subjects:** TWO from Mathematics / Pure Mathematics / Further Mathematics, Physics, Geography
- General Requirements: 3 AL passes OR 2 AL + 2 AS passes
- Reference Grade: A or above in TWO Preferred AL Subjects

SAT Reasoning Test / ACT and AP Tests

- **Preferred Subjects:** Calculus AB or BC and Physics
- General Requirements: Senior Secondary School Graduation Diploma / Certificate; and SAT Reasoning Test ACT; and 2 Advanced Placement (AP) Tests
- Reference Score: 1350 or above (out of 1600, overall total score) in SAT Reasoning Test; 29 or above (out of 36, composite score) in ACT; 4 or above (out of 5) in TWO AP subjects

Other Examinations

- Strong performance in mathematics-related subjects, physics and geography is preferred

Language Requirements

- Applicants should demonstrate an acceptable level of proficiency in English and Chinese languages. A waiver of the Chinese language admission requirement may be granted at the discretion of the Faculty Dean. The minimum required scores/grades for some commonly accepted English language tests are listed below.

IELTS (Academic)	6.0 (Overall Band Score)
TOEFL (iBT)	80 out of 120 / 4.5 out of 6
ACT English Language Arts (ELA)	23
GCE OL / GCSE / ISCSE	Grade C / Grade 4
GCE AL / AS	E
IB	4
SAT (Evidence-Based Reading and Writing)	590

Note Admission is not based solely on public examination results. Other factors (such as interview performance, personal statement, and referee's recommendation) are also taken into account during the selection process. The overall scores of admitted applicants vary from year to year. The information provided is for reference only and should not be used to predict the chance of admission to the programme.

Contact Us

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Programme Website

香港中文大學 × 香港中文大學(深圳)

航天科學與地球信息學及 × 雙主修課程

(JS4750)



香港中文大學(中大) × 香港中文大學(深圳) 航天科學與地球信息學及 × 雙主修課程

香港中文大學(中文)與香港中文大學(深圳)(中大(深圳))聯合開設全面的協作雙主修課程，學生在此四年制課程中，將以中大開設的航天科學與地球信息學(ASEI)為作第一主修，並以中大或中大(深圳)於工程學、理學或社會科學領域開設的課程中選讀作為第二主修。學習、研究及其他體驗式活動在兩校園進行。

中大(深圳)的學術水平受中大監管，確保兩校園均提供高質素的教與學。

課程主題

此綜合課程結合航天科學與地球信息學，培養學生運用數據和技術探索太空並應對地球環境挑戰的能力。通過將 ASEI 與第二主修相結合，學生可以在航天工程、氣候科學、數據科學或資源管理等互補領域進行專業化學習。

主要學習領域

- 衛星與航空航天技術
- 遙感與地理信息學
- 地理空間數據分析與機器學習
- 大氣與空間物理學
- 環境與氣候監測

職業出路

畢業生將為投身航天公司、太空機構、環境顧問公司、GIS公司、政府部門及研究機構做好充分準備。此課程亦為相關領域的研究生學習奠定堅實基礎。

體驗式學習機會

CDMP 科研創新計劃 (CRIS)

CRIS 透過香港中文大學及香港中文大學(深圳)深度合作，回應國家及粵港澳大灣區的策略發展需要，為雙主修課程學生提供高水平的科研平台。計劃向所有雙主修學生開放，鼓勵學生在兩校教授聯合指導下進行創新研究。參與的學生更可獲發科研津貼，旨在培養學生的跨學科研究能力、創新思維及成果轉化能力。

大灣區考察

課程提供橫跨大灣區的實地考察。這項沉浸式體驗包括參觀領先的航空企業和著名研究機構。學生將有機會親臨深圳、廣州、澳門等城市的衛星技術公司和創新中心。此類考察活動將課堂學習與行業實踐及新興機會直接聯繫起來，為學生提供寶貴的專業視角，並增強在該行業的就業競爭力。

哈爾濱工業大學暑期學校

哈爾濱工業大學素有 "中國航空航天第一學府" 和 "工程師的搖籃" 之稱，為國家航空航天領域培養了大量頂尖人才，許多傑出校友曾擔任國家重大航空航天項目的總指揮和總設計師。通過參加此暑期學校，學生將接受哈工大頂尖教授的專屬課堂教學，參與火箭與衛星設計的互動教程，獲得使用哈工大先進航空航天設施的動手實踐經驗，並有機會參觀哈工大的尖端實驗室及重要行業合作夥伴。

入學途徑

本課程歡迎通過以下途徑提交入學申請：

- 大學聯合招生辦法 (JUPAS: JS4750)
- 國際生入學渠道
- 非聯招本地生 (一年級入學)
- 內地高考

請注意，高年級入學 (Senior Year Entry) 並不適用。



修業期限及學費

- 常規修業期限：四年
- 於中大及中大(深圳)各修讀兩年
- 中大及中大(深圳)提供一系列對等或適合的必修/選修科目，學生可按已妥善設計的修課模式，於其中一個校園修讀相關科目，以符合保送校園的畢業規定
- 符合所有保送校園的學位要求，將獲頒保送校園第一主修學位
- 學費：支付予保送校園



課程學額



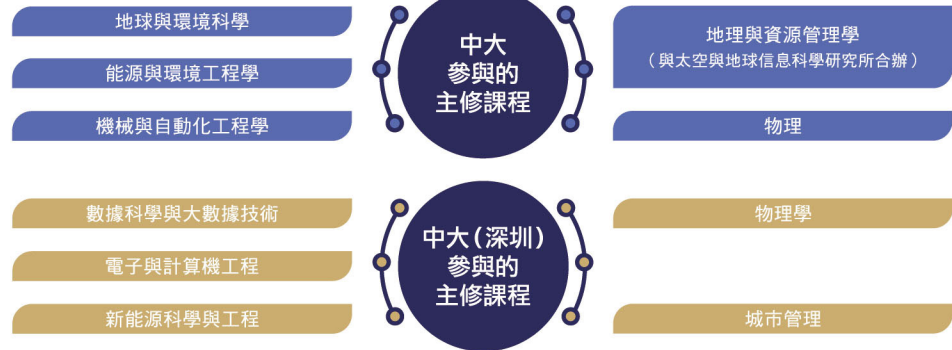
課程特色

- 航天科學與地球信息學 (ASEI) 讓學生獲取廣闊的跨範疇知識及技能，另一主修則讓學生在自選領域深入學習研究
- 在香港和深圳兩個校園靈活選課和獲得寶貴學習經驗
- 親身體驗兩個重要的大灣區都市，提供含學分的體驗式學習機會
- 同屆學生按統一的修課模式一起學習，建立人際網絡
- 通過『在學・在職計劃』取錄，有機會獲得有新全職工作經驗
- 強大的業界網絡



課程結構

第一主修 (航天科學與地球信息學理學士學位) + 第二主修
第二主修: 從中大或中大(深圳)的參與主修課程中選取一項



修課模式 (適用於經中大取錄的學生)

不參與『在學・在職計劃』的學生

	第一年	第二年	第三年	第四年
第一學期	香港	深圳	香港	深圳
第二學期	深圳	香港	深圳	香港
暑期課程	體驗式學習	體驗式學習	-	-

參與『在學・在職計劃』的學生

	第一年	第二年	第三年	第四年
第一學期	香港	深圳	香港	在學・在職計劃 第二學期
第二學期	深圳	香港	深圳	香港
暑期課程	體驗式學習	體驗式學習	在學・在職計劃 第一學期	-



2026 年度入學成績參考

Subject	中文	英文	數學	公民社會	M1/M2	最佳選修	第二佳選修	加權總分 (滿分72.25)
中位數	5	5*	5	A	5	5	5	42.75
下四分位數	5	3	5	A	5	5*		41.75

香港中學文憑科目加權比重
2.0 M1/M2、物理、地理
1.5 數學



入學要求

非聯招本地生及國際生

- 詳情請參閱英文版本。

內地高考生

- 可透過人文、理科及工科三個學科門類申請。
- 人文類組申請者須修讀一個理科科目。
- 高考英語單科成績須達總分的 85% 或以上。



更多資訊 More Information

JUPAS Scheme 大學聯合招生辦法	Non-JUPAS Local Admissions Scheme 非聯招本地生 (一年級入學)	International Students Admissions Scheme 國際生	National Colleges and Universities Enrolment System 內地 (高考)
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聯絡我們

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課程網頁