



Name: LAM, Thomas Ka Chung 林嘉聰
Student ID: 20519021
HK ID: Y753169(7)

Date of Birth: 6 Nov 1999
Gender: Male

Transcript of Academic Record

Date of Issue: 18 October 2023

Issue To: LAM, Thomas Ka Chung

Degree Awarded

Degree: Bachelor of Science in Biochemistry and Cell Biology (International Research Enrichment Track), and in Computer Science

Classification: First Class Honors

Conferred Date: 26 November 2021

Degree: Master of Philosophy in Bioengineering

Conferred Date: 15 October 2023

Academic Program

Admit Date: 1 September 2017
Program: Bachelor Degree in School of Science (International Research Enrichment Track)

Program Change: 2018-19 Fall
Program: Bachelor of Science
Major: Biochemistry and Cell Biology (International Research Enrichment Track)

On Exchange: 2019-20 Spring
Columbia University In the City of New York

Admit Date: 1 September 2021
Program: Master of Philosophy
Field of Study: Bioengineering

Academic Records

2017-18 Fall (Full-Time)

| Course Code | Course Title | Credit Attempted | Credit Earned | Grade |
|-------------|-------------------------------------|------------------|---------------|-------|
| CHEM1020 | General Chemistry IB | 2.0 | 2.0 | A |
| CHEM1050 | Laboratory for General Chemistry I | 1.0 | 1.0 | P |
| COMP1022P | Introduction to Computing with Java | 3.0 | 3.0 | A+ |
| HLTH1010 | Healthy Lifestyle | 0.0 | - | PP |

| Course Code | Course Title | Credit Attempted | Credit Earned | Grade |
|-------------|----------------------------------|------------------|---------------|-------|
| LIFS1901 | General Biology I | 3.0 | 3.0 | A+ |
| LIFS1903 | Laboratory for General Biology I | 1.0 | 1.0 | A+ |
| MATH1013 | Calculus IB | 3.0 | 3.0 | A |
| PHYS1112 | General Physics I with Calculus | 3.0 | 3.0 | A+ |
| SCIE1000 | Science School Induction | 0.0 | - | PP |

TGA: 4.200

Transfer Credit(s) from Pre-tertiary Qualifications and equivalent course(s) of HKUST:

| LANGECOM | English Language Proficiency Achieved | 6.0 | 6.0 | T |
|----------|---------------------------------------|-----|-----|---|
|----------|---------------------------------------|-----|-----|---|

CGA: 4.200

Cumulative Credits Earned: 16.0
Cumulative Transfer Credits: 6.0

Awards: Dean's List
University Scholarship

Courses taken in this term are weighted 0.5 towards the classification of degree honors

2017-18 Winter (Full-Time)

| Course Code | Course Title | Credit Attempted | Credit Earned | Grade |
|-------------|---------------------------------------|------------------|---------------|-------|
| COMP1029C | C Programming Bridging Course | 1.0 | 1.0 | P |
| COMP1029V | Excel VBA Programming Bridging Course | 1.0 | 1.0 | P |

TGA: **

CGA: 4.200

Cumulative Credits Earned: 18.0
Cumulative Transfer Credits: 6.0

Awards: University Scholarship

Courses taken in this term are weighted 0.5 towards the classification of degree honors

2017-18 Spring (Full-Time)

| Course Code | Course Title | Credit Attempted | Credit Earned | Grade |
|-------------|----------------------|------------------|---------------|-------|
| CHEM1030 | General Chemistry II | 3.0 | 3.0 | A+ |

Academic Registrar

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|---|--|------------------|---------------|-------|--|---|------------------|---------------|-------|
| CHEM1055 | Laboratory for General Chemistry II | 1.0 | 1.0 | A+ | COMP2711 | Discrete Mathematical Tools for Computer Science | 4.0 | 4.0 | A+ |
| CHEM2311 | Analytical Chemistry | 3.0 | 3.0 | A+ | COMP4900 | Academic and Professional Development | 0.0 | - | PP |
| COMP1029P | Python Programming Bridging Course | 1.0 | 1.0 | P | LIFS2010 | Modern Approaches to Biochemical and Cell Biological Research | 3.0 | 3.0 | A+ |
| HLTH1010 | Healthy Lifestyle | 0.0 | - | - | LIFS2210 | Biochemistry I | 3.0 | 3.0 | A+ |
| LIFS1902 | General Biology II | 3.0 | 3.0 | A+ | LIFS2720 | Biochemistry Laboratory | 2.0 | 2.0 | A |
| LIFS1904 | Laboratory for General Biology II | 1.0 | 1.0 | A | LIFS2820 | Biochemical Laboratory Techniques | 1.0 | 1.0 | A+ |
| LIFS2040 | Cell Biology | 3.0 | 3.0 | A+ | LIFS3140 | General Genetics | 4.0 | 4.0 | A |
| SCIE1000 | Science School Induction | 0.0 | - | P | MATH2121 | Linear Algebra | 0.0 | - | AU |
| SCIE1500 | Guided Study on Research I | 1.0 | 1.0 | A+ | | | | | |
| TGA: 4.280 | | | | | TGA: 4.150 | | | | |
| CGA: 4.240 | | | | | CGA: 4.191 | | | | |
| Cumulative Credits Earned: 34.0 | | | | | Cumulative Credits Earned: 60.0 | | | | |
| Cumulative Transfer Credits: 6.0 | | | | | Cumulative Transfer Credits: 6.0 | | | | |
| Awards: Dean's List University Scholarship | | | | | Awards: Dean's List The D. H. Chen Foundation Life Science Scholarship CMB Wing Lung Bank Scholarship University's Scholarship Scheme for Continuing Undergraduate Students | | | | |
| Courses taken in this term are weighted 0.5 towards the classification of degree honors | | | | | | | | | |
| 2017-18 Summer (Full-Time) | | | | | | | | | |
| Course Code | Course Title | Credit Attempted | Credit Earned | Grade | | | | | |
| PHYS1114 | General Physics II | 3.0 | 3.0 | A | | | | | |
| UROP100U | Undergraduate Research Opportunities Series 1 | 1.0 | 1.0 | P | | | | | |
| TGA: 4.000 | | | | | | | | | |
| CGA: 4.218 | | | | | | | | | |
| Cumulative Credits Earned: 38.0 | | | | | | | | | |
| Cumulative Transfer Credits: 6.0 | | | | | | | | | |
| Awards: University Scholarship | | | | | | | | | |
| Courses taken in this term are weighted 0.5 towards the classification of degree honors | | | | | | | | | |
| 2018-19 Fall (Full-Time) | | | | | | | | | |
| Course Code | Course Title | Credit Attempted | Credit Earned | Grade | | | | | |
| COMP2012H | Honors Object-Oriented Programming and Data Structures | 5.0 | 5.0 | A | | | | | |
| TGA: 5.000 | | | | | | | | | |
| CGA: 4.218 | | | | | | | | | |
| Cumulative Credits Earned: 43.0 | | | | | | | | | |
| Cumulative Transfer Credits: 6.0 | | | | | | | | | |
| Awards: University Scholarship | | | | | | | | | |
| Courses taken in this term are weighted 0.5 towards the classification of degree honors | | | | | | | | | |
| 2018-19 Spring (Full-Time) | | | | | | | | | |
| Course Code | Course Title | Credit Attempted | Credit Earned | Grade | Course Code | Course Title | Credit Attempted | Credit Earned | Grade |
| CHEM2355 | Fundamental Analytical Chemistry Laboratory | 1.0 | 1.0 | A | CHEM2355 | Fundamental Analytical Chemistry Laboratory | 1.0 | 1.0 | A |
| COMP2611 | Computer Organization | 4.0 | 4.0 | A | COMP2611 | Computer Organization | 4.0 | 4.0 | A |
| COMP4900 | Academic and Professional Development | 0.0 | - | PP | COMP4900 | Academic and Professional Development | 0.0 | - | PP |
| LIFS2220 | Biochemistry II | 3.0 | 3.0 | A | LIFS2220 | Biochemistry II | 3.0 | 3.0 | A |
| LIFS2240 | Cell Biology Laboratory | 3.0 | 3.0 | A+ | LIFS2240 | Cell Biology Laboratory | 3.0 | 3.0 | A+ |
| LIFS3020 | Molecular and Cellular Biology II | 3.0 | 3.0 | A | LIFS3020 | Molecular and Cellular Biology II | 3.0 | 3.0 | A |
| LIFS3070 | Biophysics and Physical Biochemistry | 3.0 | 3.0 | A+ | LIFS3070 | Biophysics and Physical Biochemistry | 3.0 | 3.0 | A+ |
| TGA: 15.000 | | | | | TGA: 15.000 | | | | |
| CGA: 4.218 | | | | | CGA: 4.218 | | | | |
| Cumulative Credits Earned: 58.0 | | | | | Cumulative Credits Earned: 58.0 | | | | |
| Cumulative Transfer Credits: 6.0 | | | | | Cumulative Transfer Credits: 6.0 | | | | |
| Awards: University Scholarship | | | | | Awards: University Scholarship | | | | |
| Courses taken in this term are weighted 0.5 towards the classification of degree honors | | | | | | | | | |



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| Course Code | Course Title | Credit Attempted | Credit Earned | Grade |
|-------------------|------------------------------|------------------|---------------|-------|
| LIFS3240 | Introduction to Neurobiology | 3.0 | 3.0 | A+ |
| MATH1014 | Calculus II | 3.0 | 3.0 | A+ |
| SCIE2500 | Guided Study on Research II | 1.0 | 1.0 | A |
| TGA: 4.150 | | | | |
| CGA: 4.178 | | | | |

Cumulative Credits Earned: 84.0
Cumulative Transfer Credits: 6.0

Awards: Dean's List
The D. H. Chen Foundation Life Science Scholarship
CMB Wing Lung Bank Scholarship
University's Scholarship Scheme for Continuing Undergraduate Students

2018-19 Summer (Full-Time)

Awards: The D. H. Chen Foundation Life Science Scholarship
CMB Wing Lung Bank Scholarship
University's Scholarship Scheme for Continuing Undergraduate Students

2019-20 Fall (Full-Time)

| Course Code | Course Title | Credit Attempted | Credit Earned | Grade |
|-------------|--|------------------|---------------|-------|
| COMP3111H | Honors Software Engineering | 4.0 | 4.0 | A+ |
| COMP3711H | Honors Design and Analysis of Algorithms | 4.0 | 4.0 | P |
| COMP4900 | Academic and Professional Development | 0.0 | - | PP |
| COMP4971C | Independent Work | 3.0 | 3.0 | A+ |
| LIFS3110 | Biotechnological Application of Recombinant DNA Techniques | 3.0 | 3.0 | B+ |
| LIFS3520 | Junior Research Project II | 2.0 | 2.0 | P |
| MATH2111 | Matrix Algebra and Applications | 3.0 | 3.0 | A+ |
| MATH2411 | Applied Statistics | 4.0 | 4.0 | A+ |
| SCIE3500 | IRE Research Project I | 3.0 | 3.0 | A+ |

TGA: 4.150
CGA: 4.173

Cumulative Credits Earned: 110.0
Cumulative Transfer Credits: 6.0

Awards: Dean's List
The D. H. Chen Foundation Life Science Scholarship
Fung Scholarship
CMB Wing Lung Bank Scholarship
University's Scholarship Scheme for Continuing Undergraduate Students
HKSAR Government Scholarship Fund - Reaching Out Award
School of Science Exchange Scholarship
Lee's Pharmaceutical - Kanya Lee Scholarship

2019-20 Winter (Full-Time)

Awards: The D. H. Chen Foundation Life Science Scholarship
Fung Scholarship
CMB Wing Lung Bank Scholarship
University's Scholarship Scheme for Continuing Undergraduate Students
HKSAR Government Scholarship Fund - Reaching Out Award
School of Science Exchange Scholarship
Lee's Pharmaceutical - Kanya Lee Scholarship

2019-20 Spring (Full-Time)

| Course Code | Course Title | Credit Attempted | Credit Earned | Grade |
|--|--|------------------|---------------|-------|
| Transfer Credit(s) from Columbia University In the City of New York and equivalent course(s) of HKUST: | | | | |
| COMP3511 | Operating Systems | 3.0 | 3.0 | T |
| LIFS3010 | Molecular and Cellular Biology I | 3.0 | 3.0 | T |
| LIFS4000LEVEL | 4000-level Course in Life Science | 3.0 | 3.0 | T |
| LIFS5240 | Molecular and Developmental Neurobiology | 3.0 | 3.0 | T |

Cumulative Credits Earned: 110.0
Cumulative Transfer Credits: 18.0

Awards: The D. H. Chen Foundation Life Science Scholarship
Fung Scholarship
CMB Wing Lung Bank Scholarship
University's Scholarship Scheme for Continuing Undergraduate Students
HKSAR Government Scholarship Fund - Reaching Out Award
School of Science Exchange Scholarship



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Lee's Pharmaceutical - Kanya Lee Scholarship

2019-20 Summer (Full-Time)

Awards: The D. H. Chen Foundation Life Science Scholarship
Fung Scholarship
CMB Wing Lung Bank Scholarship
University's Scholarship Scheme for Continuing Undergraduate Students
HKSAR Government Scholarship Fund - Reaching Out Award
School of Science Exchange Scholarship
Lee's Pharmaceutical - Kanya Lee Scholarship

2020-21 Fall (Full-Time)

| Course Code | Course Title | Credit Attempted | Credit Earned | Grade |
|-------------|---------------------------------------|------------------|---------------|-------|
| COMP4021 | Internet Computing | 3.0 | 3.0 | A+ |
| COMP4211 | Machine Learning | 3.0 | 3.0 | A |
| COMP4471 | Deep Learning in Computer Vision | 3.0 | 3.0 | A+ |
| COMP4900 | Academic and Professional Development | 0.0 | - | PP |
| COMP4901L | Foundations of Computer Vision | 3.0 | 3.0 | A- |
| ELEC1010 | Electronic and Information Technology | 3.0 | 3.0 | A+ |
| LANG2010H | English for Science I | 3.0 | 3.0 | A- |
| SCIE3900 | International Research Experience | 3.0 | 3.0 | DI |
| SCIE4500 | IRE Research Project II | 3.0 | 3.0 | A |
| SOSC1980 | Psychology and Everyday Life | 3.0 | 3.0 | A- |

TGA: 4.000

CGA: 4.139

Cumulative Credits Earned: 137.0

Cumulative Transfer Credits: 18.0

Awards: Dean's List
The Joseph Lau Luen Hung Charitable Trust Scholarship

2020-21 Winter (Full-Time)

Awards: The Joseph Lau Luen Hung Charitable Trust Scholarship

2020-21 Spring (Full-Time)

| Course Code | Course Title | Credit Attempted | Credit Earned | Grade |
|-------------|---|------------------|---------------|-------|
| COMP3021 | Java Programming | 3.0 | 3.0 | A |
| COMP4900 | Academic and Professional Development | 0.0 | - | P |
| HUMA1000A | Cultures and Values: Language, Communication and Society | 3.0 | 3.0 | B |
| HUMA1720 | Logic | 3.0 | 3.0 | A+ |
| ISOM1380 | Technology and Innovation: Social and Business Perspectives | 3.0 | 3.0 | C+ |
| LANG1117P | Advanced Chinese Communication | 3.0 | 3.0 | B+ |
| LANG3024 | Science Communication in English (Life Science) | 3.0 | 3.0 | A- |
| LIFS4981 | Biochemistry and Cell Biology Project Research II | 4.0 | 4.0 | A |
| PHYS1007 | Quantum Information for Everyone | 3.0 | 3.0 | A |

TGA: 3.592

CGA: 4.047

Cumulative Credits Earned: 162.0

Cumulative Transfer Credits: 18.0

Cumulative Credits Counted towards Degree: 162.0

Awards: The Joseph Lau Luen Hung Charitable Trust Scholarship
Hong Kong University of Science and Technology Academic Achievement Medal

2021-22 Fall (Full-Time)

| Course Code | Course Title | Credit Attempted | Credit Earned | Grade |
|-------------|---|------------------|---------------|-------|
| BIEN5040 | Introduction to Neural Engineering | 3.0 | 3.0 | A+ |
| BIEN6800U | Bioengineering Seminar | 0.0 | - | P |
| ENGG6780 | Career Development for Engineering Research Students | 1.0 | - | PP |
| MATH5472 | Computer Age Statistical Inference with Applications | 3.0 | 3.0 | A |
| PDEV6770B | Professional Development for Research Postgraduate Students | 1.0 | - | PP |
| PDEV6800Z | Introduction to Teaching and Learning in Higher Education | 0.0 | - | P |

TGA: 4.150

CGA: 4.150

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Cumulative Credits Earned: 6.0

Awards: Postgraduate Studentship

2021-22 Spring (Full-Time)

| Course Code | Course Title | Credit Attempted | Credit Earned | Grade |
|-------------|--|------------------|---------------|-------|
| BIEN6800V | Bioengineering Seminar | 0.0 | - | P |
| BIEN6990 | MPhil Thesis Research | 0.0 | - | PP |
| ENGG6780 | Career Development for Engineering Research Students | 1.0 | - | PP |
| LIFS5310 | Biostatistics: Theory and Application in Life Science Research | 3.0 | 3.0 | A+ |
| PDEV6770B | Professional Development for Research Postgraduate Students | 1.0 | - | PP |
| PDEV6800G | Introduction to Teaching and Learning in Higher Education | 0.0 | - | PP |

TGA: 4.300

CGA: 4.200

Cumulative Credits Earned: 9.0

Awards: Postgraduate Studentship

2022-23 Fall (Full-Time)

| Course Code | Course Title | Credit Attempted | Credit Earned | Grade |
|-------------|---|------------------|---------------|-------|
| BIEN6800W | Bioengineering Seminar | 0.0 | - | P |
| BIEN6990 | MPhil Thesis Research | 0.0 | - | PP |
| ENGG6780 | Career Development for Engineering Research Students | 1.0 | - | PP |
| LANG5001 | Postgraduate English for Engineering Research Studies | 1.0 | 1.0 | P |
| PDEV6770B | Professional Development for Research Postgraduate Students | 1.0 | - | PP |
| PDEV6800G | Introduction to Teaching and Learning in Higher Education | 0.0 | - | P |

TGA: **

CGA: 4.200

Cumulative Credits Earned: 10.0

Awards: Postgraduate Studentship

2022-23 Spring (Full-Time)

| Course Code | Course Title | Credit Attempted | Credit Earned | Grade |
|-------------|---|------------------|---------------|-------|
| BIEN6800X | Bioengineering Seminar | 0.0 | - | P |
| BIEN6990 | MPhil Thesis Research | 0.0 | - | P |
| COMP5421 | Computer Vision | 3.0 | 3.0 | A+ |
| COMP6211H | Deep Learning in Medical Image Analysis | 3.0 | 3.0 | B |
| ENGG6780 | Career Development for Engineering Research Students | 1.0 | 1.0 | P |
| PDEV6770B | Professional Development for Research Postgraduate Students | 1.0 | 1.0 | P |

TGA: 3.650

CGA: 3.980

GGA: 3.980 (MPhil)

Cumulative Credits Earned: 18.0

Cumulative Credits Counted towards Degree: 18.0

Thesis Title [MPhil(BIEN)]: A Paradigm for Investigating Binocular Integration During Prey Capture in Larval Zebrafish

Awards: Postgraduate Studentship

- End of Transcript -

Academic Registrar

EXPLANATORY NOTES

Academic Transcript and Release of Records

The academic transcript provides the full record of a student's academic results and performance. This record may not be released to any other party without the written consent of the student, in accordance with Personal Data (Privacy) Ordinance established in 1996.

Calendar

The academic year begins on 1 September and ends on 31 August of the following year. There are four terms in each academic year, namely Fall, Winter, Spring and Summer. Fall and Spring are regular terms with thirteen weeks of scheduled classes.

Degree Awarded

The undergraduate programs offered by the University all lead to honors degrees. The University also offers postgraduate programs leading to master degrees, doctoral degrees and graduate diplomas.

Credit Unit

Credit units are earned through the completion of courses and other assessed learning activities. For undergraduate courses, one credit unit generally represents 40 to 50 learning hours. For postgraduate courses, one credit is normally designated for one lecture, one tutorial or three laboratory/field study hours per week.

Grading

Students receive a grade in each course in which they are enrolled. Transfer credits and courses graded HP/P/LP/U/Y, AU, CR, DI, DN, I, IP, P, PA, PP, PS, T and W are omitted from the calculation of grade point averages.

| Letter Grade | Definition for Undergraduate Course | Definition for Postgraduate Course |
|--------------|-------------------------------------|------------------------------------|
| A+, A, A- | Excellent Performance | Excellent Performance |
| B+, B | Good Performance | Good Performance |
| B- | Good Performance | Marginal Performance ^① |
| C+, C | Satisfactory Performance | Marginal Performance |
| C- | Satisfactory Performance | – |
| D | Marginal Pass | – |
| F | Failure | Failure |

| Other Grade | Definition |
|-------------|----------------------------|
| AU | Audited |
| CR | Credit |
| DI | Distinction |
| DN | Distinction |
| I | Incomplete |
| IP | In Progress ^② |
| P | Pass, Ungraded |
| PA | Pass, Graded |
| PP | Permitted to Proceed |
| PS | Pass, Graded |
| T | Transferred |
| W | Withdrawal without Penalty |

| HP/P/LP/U/Y Grade (used in Executive Programs) | Definition |
|---|----------------|
| HP | High Pass |
| P | Pass |
| LP | Low Pass |
| U | Unsatisfactory |
| Y | Incomplete |

^① Definition revised from 'Good Performance' from 1999-2000 Fall

^② Ceased to be used from 1997-98 Fall

Grade Averages

With effect from 2010-11 Spring, the University adopted a 4-point grading system to replace the 12-point system that had been used since 1991-92 in the calculation of grade averages. The following grade averages are calculated:

TGA (Term Grade Average): TGA is calculated across all courses taken in a term.

CGA (Cumulative Grade Average): CGA is calculated for all the courses earning grade points completed since first registration in a program up to the point of calculation.

GGA (Graduation Grade Average): GGA is the student's CGA adjusted by excluding courses from the calculation under established University rules.

MCGA (Major Cumulative Grade Average) is calculated based on the grade points earned for the courses used to fulfill the major requirements and the requirements of the corresponding School or Interdisciplinary Programs Office, where appropriate. For students admitted in 2018-19 academic year or after, the classification of awards is based on a two-tier system of MCGA and overall CGA.

Before 2010-11 Spring, SGA (Semester Grade Average) was used:

SGA (Semester Grade Average) is the combined grade average covering all courses taken in Fall including the following Winter or Spring including the following Summer.

The following table shows the conversion of 12-point and 4-point grading system:

| 12-point System (1991-92 Fall to 2010-11 Winter) | Letter Grade | 4-point System (effective from 2010-11 Spring) |
|---|--------------|---|
| Course Grade Point | | Course Grade Point |
| 12 | A+ | 4.3 |
| 11 | A | 4.0 |
| 10 | A- | 3.7 |
| 9 | B+ | 3.3 |
| 8 | B | 3.0 |
| 7 | B- | 2.7 |
| 6 | C+ | 2.3 |
| 5 | C | 2.0 |
| 4 | C- | 1.7 |
| - | D+ | - |
| 2 | D | 1.0 |
| - | D- | - |
| 0 | F | 0 |

Further information about the academic transcript is available at <https://registry.hkust.edu.hk/transcript>. Please email all queries to the Academic Registry of the University at atranscript@ust.hk.

The Hong Kong University of Science and Technology issues some official documents in electronic format which are verifiable. The Blockcerts technology is adopted in registering and verifying the electronic documents in the format of a JSON file.

The JSON file and the associated URL are issued to the graduates/students who may pass them to other parties at their discretion. **After successful verification of the JSON file at the University official website (<https://registry.hkust.edu.hk/verify>), an authenticated copy of the document can be viewed or downloaded in formats such as PDF or HTML.**