Issued To: Kylinh Cao

Name: Student ID No: OEN: Birth Day: Print Date:

Kylinh Cao 400255147 23 June 07 January 2024

Transcript valid only if bearing the Registrar's Signature.

Beginning of Undergraduate Career Record

--- 2019 Fall ---

Program:

Engineering Degree Seeking Integr Biomed Eng&Hth Sc1CO-OP (Year One) Plan:

Term Honours: The McMaster President's Award

Term Enrolment

| Course | Title | Attm./Earned Units | Grade |
|--------------|--------------------------------|--------------------|-------|
| BIOSAFE 1BS0 | Biosafety Training | 0.00/0.00 | COM |
| CHEM 1E03 | General Chemistry: Engineer I | 3.00/3.00 | Α |
| HTHSCI 1106A | Cellular and Molecular Biology | 0.00/0.00 | MT |
| IBEHS 1EE0 | Intro Engineering Co-op Progrm | 0.00/0.00 | COM |
| IBEHS 1P10A | Hth Solutions Desgn Projects I | 0.00/0.00 | MT |
| MATH 1ZA3 | Engineering Mathematics I | 3.00/3.00 | A+ |
| PHYSICS 1D03 | Mechanics | 3.00/3.00 | Α |
| PSYCH 1X03 | Intro:Psych, Neurosci & Behav | 3.00/3.00 | A+ |
| WHMIS 1A00 | Intro To Health And Safety | 0.00/0.00 | COM |

Totals

Attm./Earned Units **GPA Units Total Points GPA** Term Totals 12.0/12.0 12.0 138.0 11.5

--- 2020 Winter ---

Program: **Engineering Degree Seeking**

Integr Biomed Eng&Hth Sc1CO-OP (Year One) Plan:

Term Enrolment

| Course | Title | Attm./Earned Units | Grade |
|--------------|--------------------------------|--------------------|-------|
| HTHSCI 1106B | Cellular and Molecular Biology | 6.00/6.00 | A- |
| IBEHS 1P10B | Hth Solutions Desgn Projects I | 10.00/10.00 | Α |
| MATH 1ZB3 | Engineering Mathematics II-A | 3.00/3.00 | A+ |
| MATH 1ZC3 | Engineering Mathematics II-B | 3.00/3.00 | A+ |
| PHYSICS 1E03 | Wave, Elec&Magnetic | 3.00/3.00 | Α |

Name: Student ID No: OEN: Birth Day: Print Date:

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GPA Units Attm./Earned Units **Total Points GPA**

Term Totals 25.0/25.0 25.0 275.0 11.0

Academic Standing: Good Standing Term Honours: Deans' Honour List

--- 2020 Spring/Summer ---

Program: **Engineering Degree Seeking**

Plan: Integr Biomed Eng&Hth Sc1CO-OP (Year One)

Term Enrolment

Course Title Attm./Earned Units Grade **IBEHS 2EC0 Engineering Work Term** 0.00/0.00 COM

(Work Term Details

Company: McMaster University

Location: Hamilton, ON Position: Co-op Student Start Date: 2020-05-01 End Date: 2020-08-31)

Engineering Math III MATH 2Z03 3.00/3.00 Α+ MATH 2ZZ3 **Engineering Math IV** 3.00/3.00 A+

Totals

Attm./Earned Units **GPA Units Total Points GPA** Term Totals 6.0/6.0 6.0 72.0 12.0

--- 2020 Fall ---

Program: Integrated Biomed Eng & Hth Sc

Plan: Eng Physics & Biomed Eng CO-OP (Co-op Program)

Term Enrolment

| Course | Title | Attm./Earned Units | Grade |
|--------------|--------------------------|--------------------|-------|
| ENGPHYS 2A04 | Elec. & Magnetism | 4.00/4.00 | A+ |
| ENGPHYS 2NE3 | Thermal Systems Design | 3.00/3.00 | A- |
| ENGPHYS 2P04 | Computational Mechanics | 4.00/4.00 | A+ |
| HTHSCI 2E03 | Inquiry II: Biochemistry | 3.00/3.00 | A+ |
| HTHSCI 2F03 | Hmn Physio/Anat I | 3.00/3.00 | Α |

Name: Student ID No: OEN: Birth Day: Print Date:

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Attm./Earned Units **GPA Units Total Points GPA**

Term Totals 17.0/17.0 17.0 195.0 11.5

--- 2021 Winter ---

Program: Integrated Biomed Eng & Hth Sc

Plan: Eng Physics & Biomed Eng CO-OP (Co-op Program)

Term Enrolment

| Course | Title | Attm./Earned Units | Grade |
|--------------|--------------------------------|--------------------|-------|
| ENGPHYS 2CM4 | Computational Multiphysics | 4.00/4.00 | A+ |
| ENGPHYS 2E04 | Analog & Dig Circt | 4.00/4.00 | A+ |
| ENGPHYS 2QM3 | Intro Quantm Mech | 3.00/3.00 | A+ |
| HTHSCI 2FF3 | Hmn Physio/Anat II | 3.00/3.00 | A+ |
| IBEHS 2P03 | Hth Solutions Dsgn Projects II | 3.00/3.00 | A+ |

Totals

Attm./Earned Units **GPA Units Total Points GPA** Term Totals 17.0/17.0 17.0 204.0 12.0

Academic Standing: Good Standing Term Honours: Deans' Honour List

--- 2021 Spring/Summer ---

Integrated Biomed Eng & Hth Sc Program:

Eng Physics & Biomed Eng CO-OP (Co-op Program) Plan:

Term Enrolment

Course Title Attm./Earned Units Grade CHEM 1AA3 Intro Chemistry II 3.00/3.00 A-**CLASSICS 2MT3** Ancient Roots:Med Terminology 3.00/3.00 A+ Engineering Work Term **IBEHS 2EC0** 0.00/0.00 COM

(Work Term Details

Company: Hamilton Health Sciences

Location: Hamilton, ON Position: Co-op Student Start Date: 2021-05-01 End Date: 2021-08-31)

Totals

Name: Student ID No: OEN: Birth Day: Print Date:

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Attm./Earned Units GPA Units Total Points GPA Term Totals 6.0/6.0 6.0 11.0

--- 2021 Fall ---

Program: Integrated Biomed Eng & Hth Sc

Plan: Eng Physics & Biomed Eng CO-OP (Co-op Program)

Term Enrolment

| Course | Title | Attm./Earned Units | Grade |
|--------------|--------------------------------|--------------------|-------|
| ENGPHYS 3BA4 | Circts:Non-Linear&Activ Compon | 4.00/4.00 | Α |
| ENGPHYS 3L04 | Eng Metrology: Fndmntls & Apps | 4.00/4.00 | Α |
| ENGPHYS 3NM4 | Numerical Methods: Engineering | 4.00/4.00 | Α |
| HTHSCI 2G03 | Statistics & Epidemiology 1 | 3.00/3.00 | A+ |
| IBEHS 3A03 | Biomedical Signals and Systems | 3.00/3.00 | A+ |

Totals

Attm./Earned Units GPA Units Total Points GPA Term Totals 18.0/18.0 18.0 204.0 11.3

--- 2022 Winter ---

Program: Integrated Biomed Eng & Hth Sc

Plan: Eng Physics & Biomed Eng CO-OP (Co-op Program)

Term Enrolment

| Course | Title | Attm./Earned Units | Grade |
|--------------|--------------------------------|--------------------|-------|
| ENGPHYS 3BB4 | Embed&Progrmg Micro-Controller | 4.00/4.00 | Α |
| ENGPHYS 3PN4 | Semiconductor Jnctn Devices | 0.00/0.00 | W |
| ENGPHYS 3SM3 | Statistical Mechanics | 3.00/3.00 | A- |
| HTHSCI 3G03 | Critical Appraisal Med Lit. | 3.00/3.00 | Α |
| IBEHS 3P04 | Hth Solutns Dsgn Projects III | 4.00/4.00 | A+ |

Totals

Attm./Earned Units GPA Units Total Points GPA Term Totals 14.0/14.0 14.0 155.0 11.1

Academic Standing: Good Standing Term Honours: Deans' Honour List Name: Student ID No: OEN: Birth Day: Print Date:

Kylinh Cao 400255147 23 June 07 January 2024

--- 2022 Spring/Summer ---

Program: Integrated Biomed Eng & Hth Sc

Plan: Eng Physics & Biomed Eng CO-OP (Co-op Program)

Term Enrolment

Course Title Attm./Earned Units Grade IBEHS 2EC0 IBEHS Work Term 0.00/0.00 COM

(Work Term Details

Company: Husky Technologies

Location: Bolton,ON Position: Co-op Student Start Date: 2022-05-01 End Date: 2023-08-31)

Totals

Attm./Earned Units GPA Units Total Points GPA Term Totals 0.0/0.0 0.0 0.0 0.0

--- 2022 Fall ---

Program: Integrated Biomed Eng & Hth Sc

Plan: Eng Physics & Biomed Eng CO-OP (Co-op Program)

Term Enrolment

Course Title Attm./Earned Units Grade IBEHS 2EC0 IBEHS Work Term 0.00/0.00 COM

(Work Term Details

Company: Husky Technologies

Location: Bolton,ON
Position: Co-op Student
Start Date: 2022-05-01
End Date: 2023-08-31)

Totals

Attm./Earned Units GPA Units Total Points GPA Term Totals 0.0/0.0 0.0 0.0 0.0

Name: Student ID No: OEN: Birth Day: Print Date:

Kylinh Cao 400255147 23 June 07 January 2024

--- 2023 Winter ---

Program: Integrated Biomed Eng & Hth Sc

Plan: Eng Physics & Biomed Eng CO-OP (Co-op Program)

Term Enrolment

Course Title Attm./Earned Units Grade IBEHS 2EC0 IBEHS Work Term 0.00/0.00 COM

(Work Term Details

Company: Husky Technologies

Location: Bolton,ON Position: Co-op Student Start Date: 2022-05-01 End Date: 2023-08-31)

Totals

Attm./Earned Units GPA Units Total Points GPA

Term Totals 0.0/0.0 0.0 0.0

--- 2023 Spring/Summer ---

Program: Integrated Biomed Eng & Hth Sc

Plan: Eng Physics & Biomed Eng CO-OP (Co-op Program)

Term Enrolment

Course Title Attm./Earned Units Grade IBEHS 2EC0 IBEHS Work Term 0.00/0.00 COM

(Work Term Details

Company: Husky Technologies

Location: Bolton,ON Position: Co-op Student Start Date: 2022-05-01 End Date: 2023-08-31)

MUSIC 2MT3 Intro Music Therapy Practice 3.00/3.00 A+

Totals

Attm./Earned Units GPA Units Total Points GPA Term Totals 3.0/3.0 3.0 36.0 12.0

OEN: Birth Day: Print Date: Name: Student ID No:

Kylinh Cao 400255147 23 June 07 January 2024

--- 2023 Fall ---

Integrated Biomed Eng & Hth Sc Program:

Eng Physics & Biomed Eng CO-OP (Co-op Program) Plan:

Term Enrolment

| Course | Title | Attm./Earned Units | Grade |
|--------------|--------------------------------|--------------------|-------|
| CHEM 2E03 | Introductory Organic Chemistry | 3.00/3.00 | Α |
| ENGPHYS 3E04 | Fundamentals of Physical Optic | 4.00/4.00 | Α |
| IBEHS 4B03 | Biomechanics | 3.00/3.00 | A+ |
| IBEHS 4F04 | Biomed. Instrumentatn & Msrmnt | 4.00/4.00 | A+ |
| IBEHS 4P04 | Health Solutn Dsgn Projects IV | 4.00/4.00 | A+ |

Totals

Attm./Earned Units **Total Points** GPA **GPA Units** Term Totals 18.0/18.0 11.6 18.0 209.0

--- 2024 Winter ---

Program:

Integrated Biomed Eng & Hth Sc Eng Physics & Biomed Eng CO-OP (Co-op Program) Plan:

Term Enrolment

| Course | Title | Attm./Earned Units | Grade |
|--------------|--------------------------------|--------------------|-------|
| ENGPHYS 3PD4 | Photonic Devices | 4.00/0.00 | |
| ENGPHYS 3PN4 | Semiconductor Jnctn Devices | 4.00/0.00 | |
| IBEHS 4A03 | Biomedical Control Systems | 3.00/0.00 | |
| IBEHS 4C03 | Statistical Methods Biomed Eng | 3.00/0.00 | |
| IBEHS 4D03 | Intro to Medical Imaging | 3.00/0.00 | |

End of Undergraduate Career Record

End of Student Unofficial Transcript